

207

DATA PROCESSING AND DISPLAY OF  
LASER DOPPLER EXPERIMENTAL RESULTS

NAS8-31771

VOLUME II

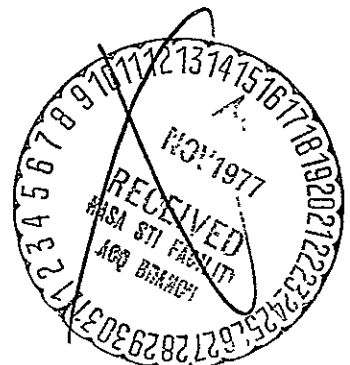
(NASA-CR-150442) DATA PROCESSING AND DISPLAY OF LASER DOPPLER EXPERIMENTAL RESULTS, VOLUME 2 (Arkansas Univ.) 340 p HC A15/MF A01 CSCI 20E	N78-13423 Unclas G3/36 55842
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Department of Industrial Engineering



UNIVERSITY OF ARKANSAS

Fayetteville, Arkansas 72701

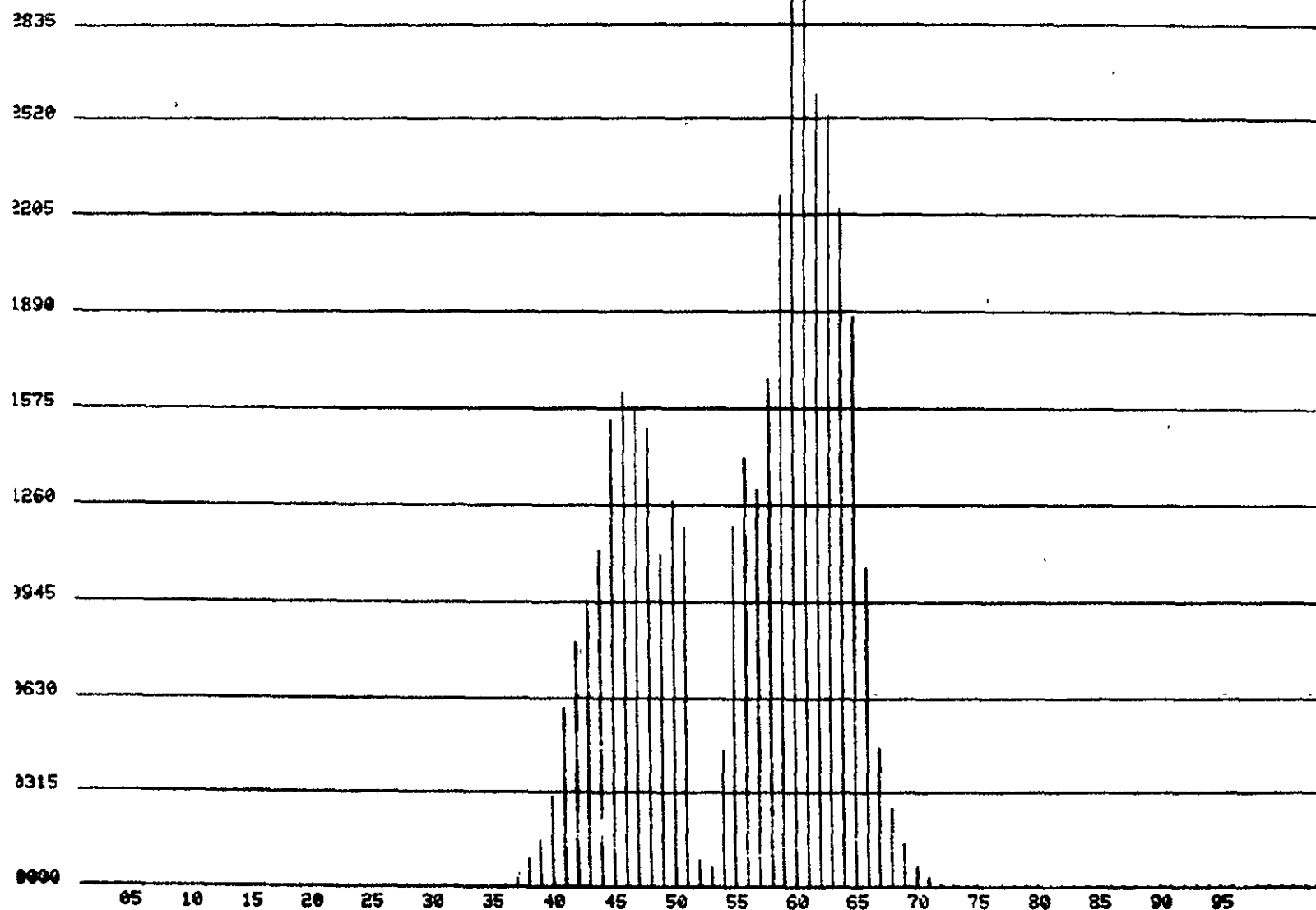


APPENDIX IV.  
TRANSLATED HARDCOPIES



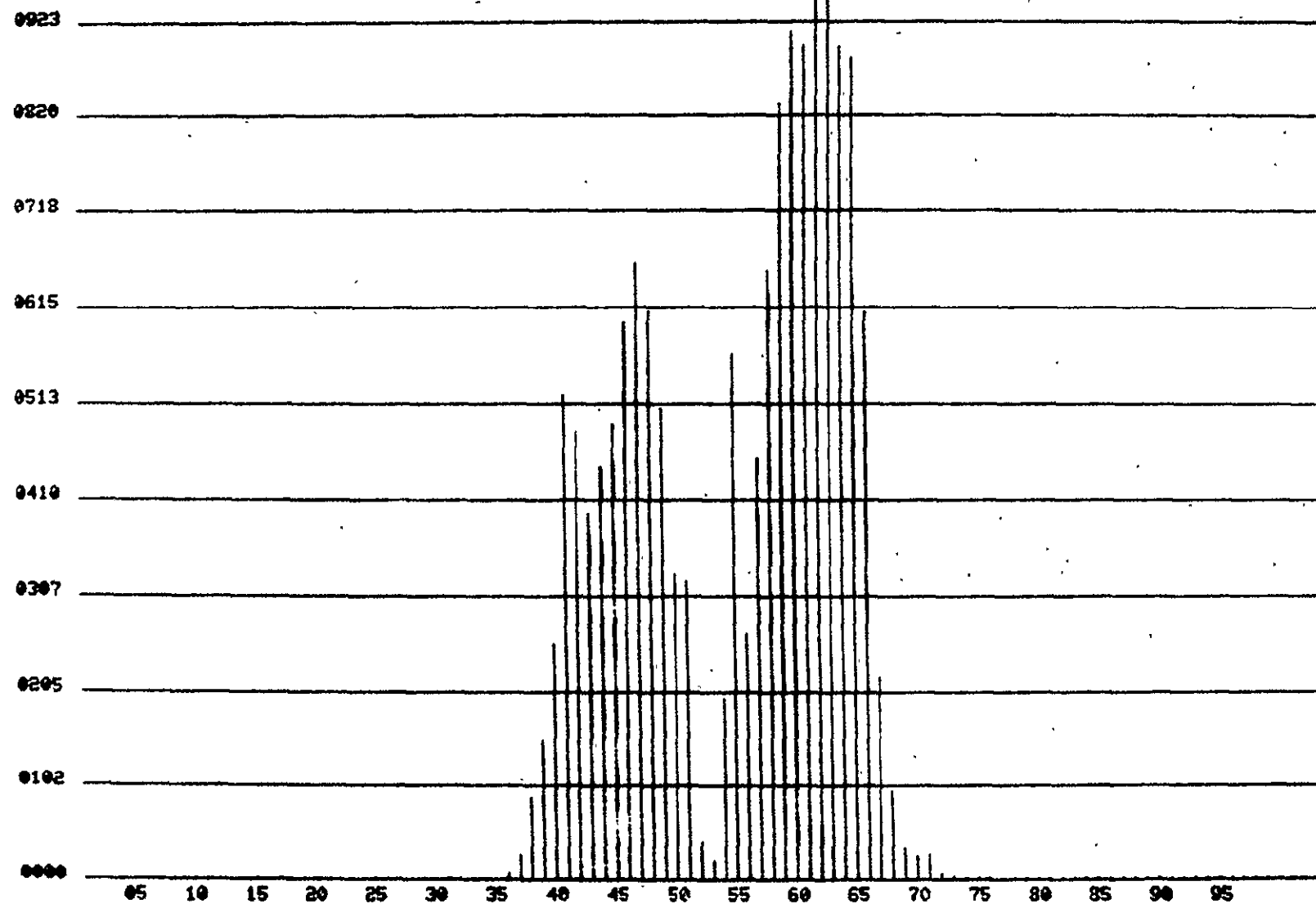
VELOCITY CELLS AND AMOUNTS OVER 95% POINT  
RAY 232 RUN 04 TAPE 06110 AND 29226

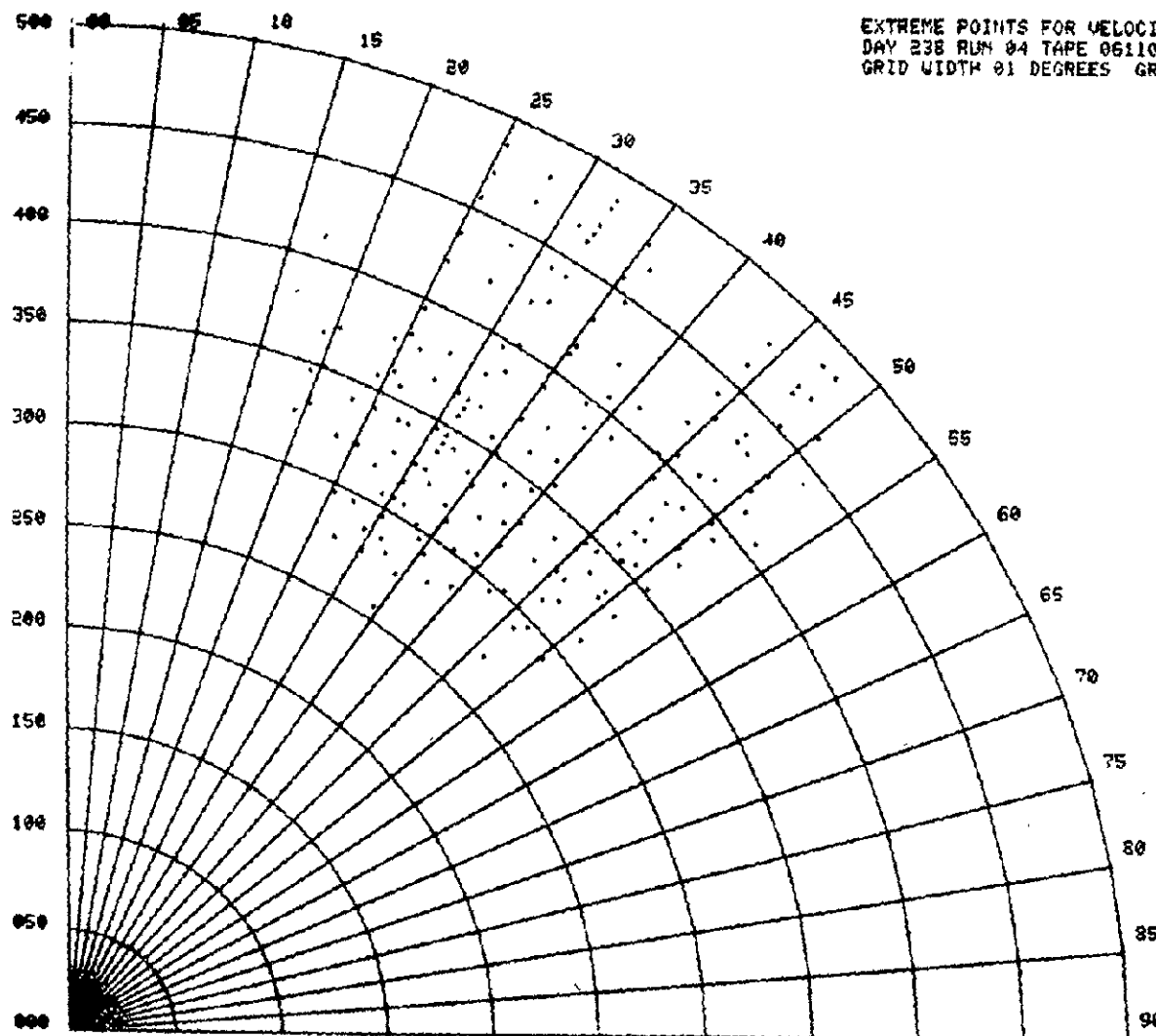
GRID WIDTH 01 DEGREES GRID LENGTH 05 METERS  
RECORD CELLS OF INTEREST AND ENTER 'D'



VELOCITY CELLS AND AMOUNTS OVER 98X POINT  
DAY 238 RUN 04 TAPE 06110 AND 29226

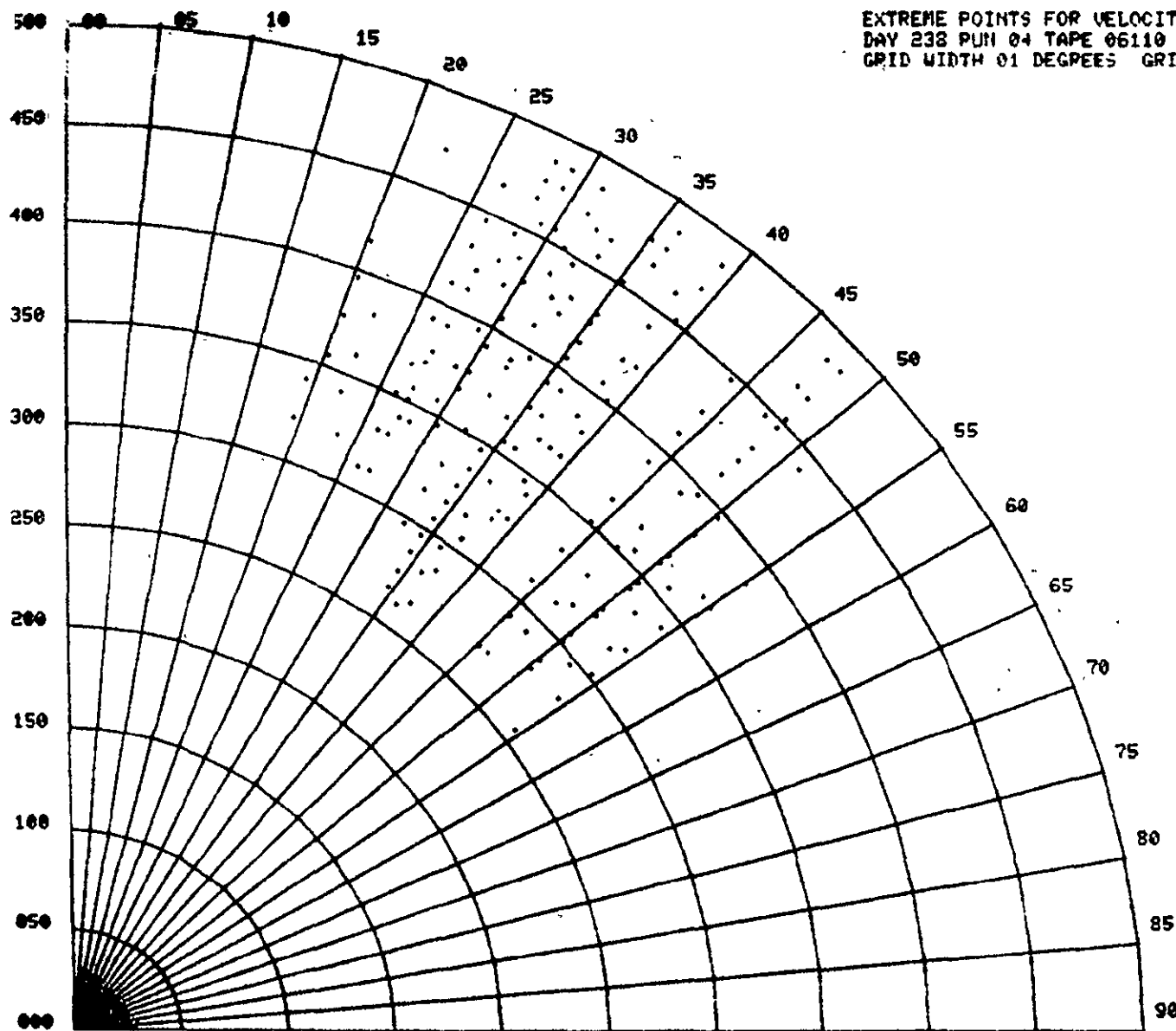
GRID WIDTH 01 DEGREES GRID LENGTH 05 METERS  
RECORD CELLS OF INTEREST AND ENTER "D"





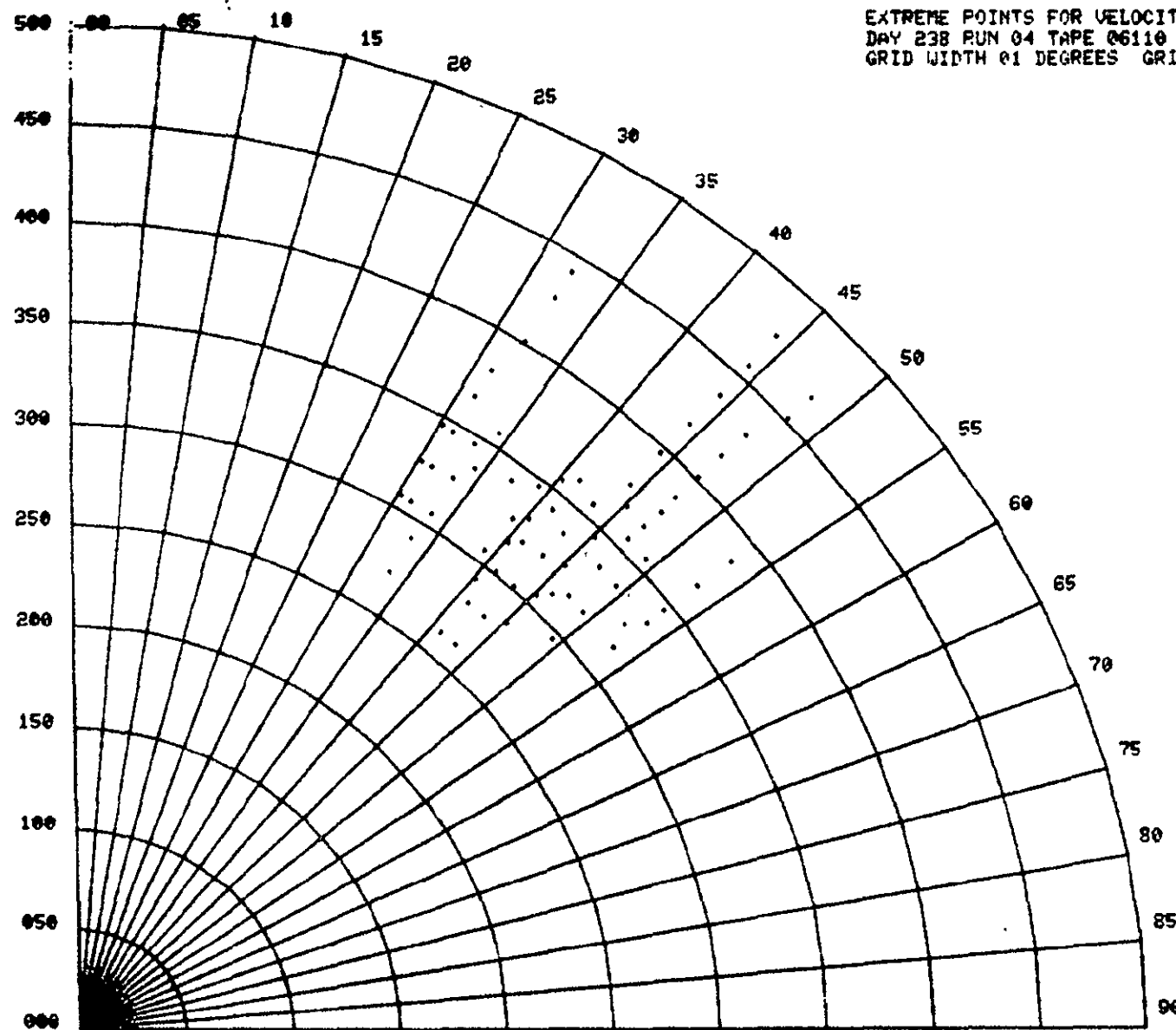
EXTREME POINTS FOR VELOCITY CELL 046 95 PERCENT  
DAY 238 RUN 04 TAPE 06110 AND 29226  
GRID WIDTH 01 DEGREES GRID LENGTH 05 METERS

ENTER "D" TO CONTINUE



EXTREME POINTS FOR VELOCITY CELL 061 95 PERCENT  
DAY 238 PUN 04 TAPE 06110 AND 29226  
GRID WIDTH 01 DEGREES GRID LENGTH 05 METERS

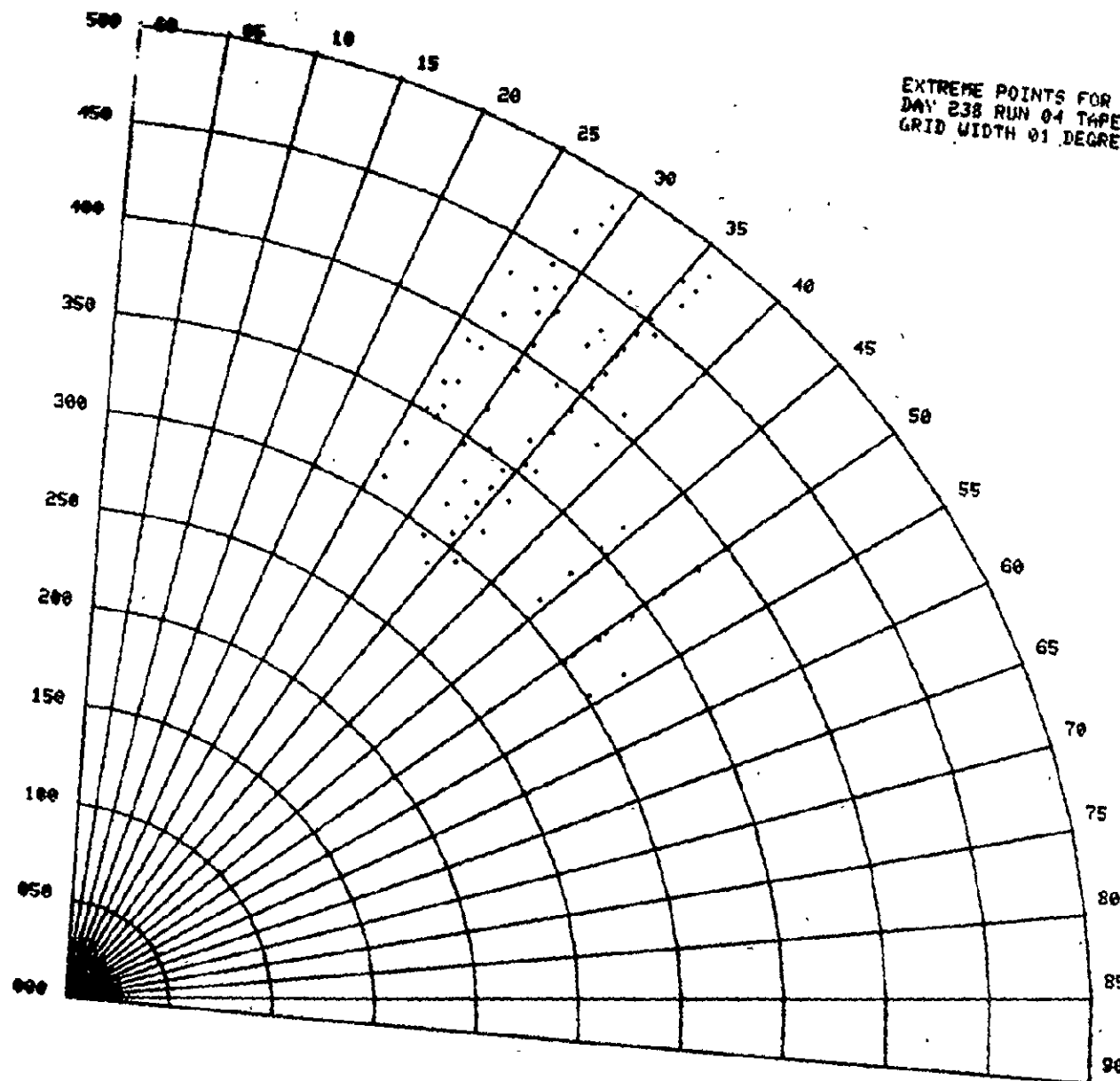
ENTER "D" TO CONTINUE



EXTREME POINTS FOR VELOCITY CELL 041 98 PERCENT  
DAY 238 RUN 04 TAPE 06110 AND 20226  
GRID WIDTH 01 DEGREES GRID LENGTH 05 METERS

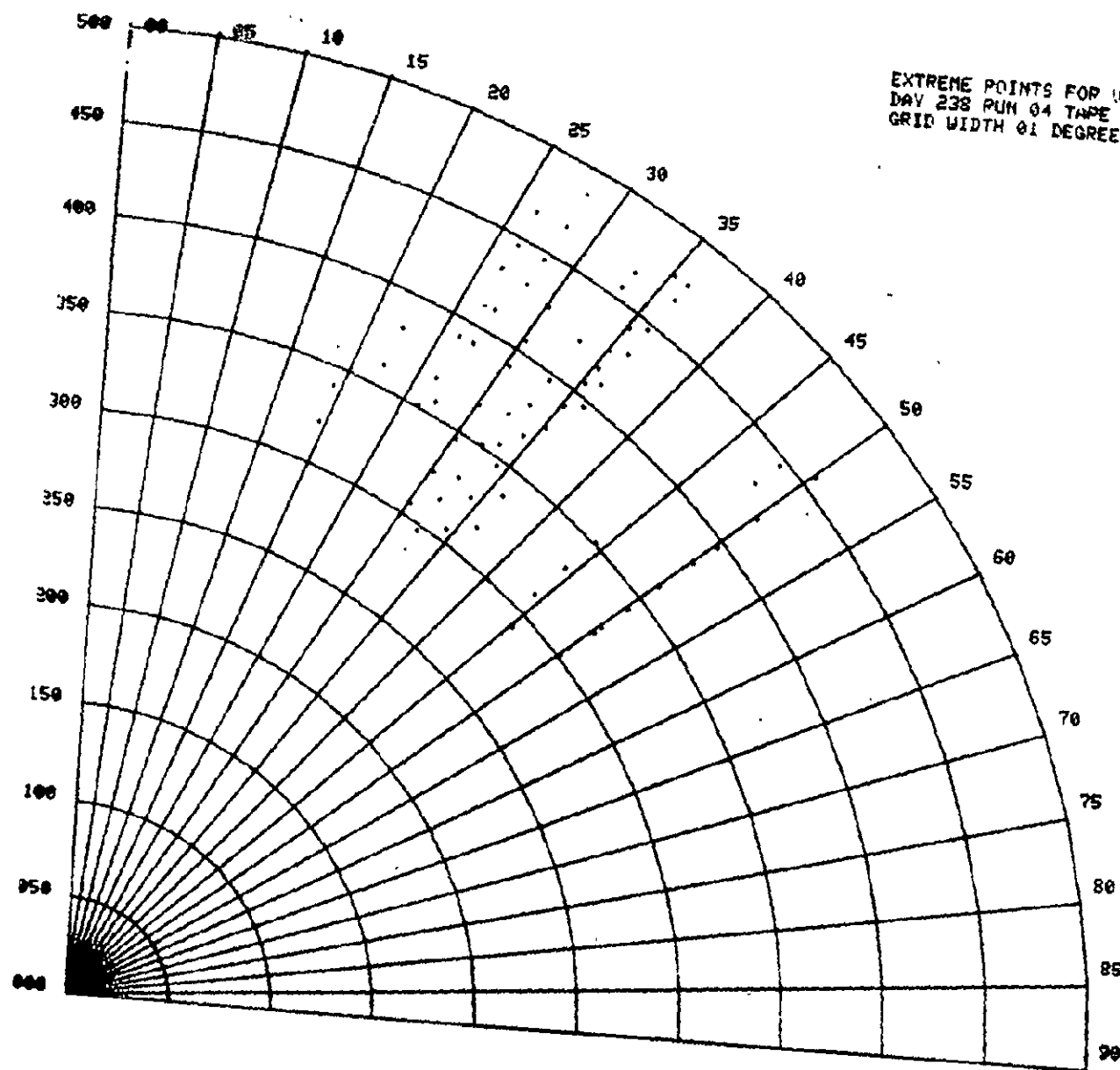
ENTER 'D' TO CONTINUE

202



EXTREME POINTS FOR VELOCITY CELL 062 98 PERCENT  
DAY 238 RUN 04 TAPE 06110 AND 29225  
GRID WIDTH 01 DEGREES GRID LENGTH 05 METERS

ENTER 'D' TO CONTINUE



EXTREME POINTS FOR VELOCITY CELL 063 98 PERCENT  
DAY 238 RUN 04 TAPE 06110 AND 29226  
GRID WIDTH 01 DEGREES GRID LENGTH 05 METERS

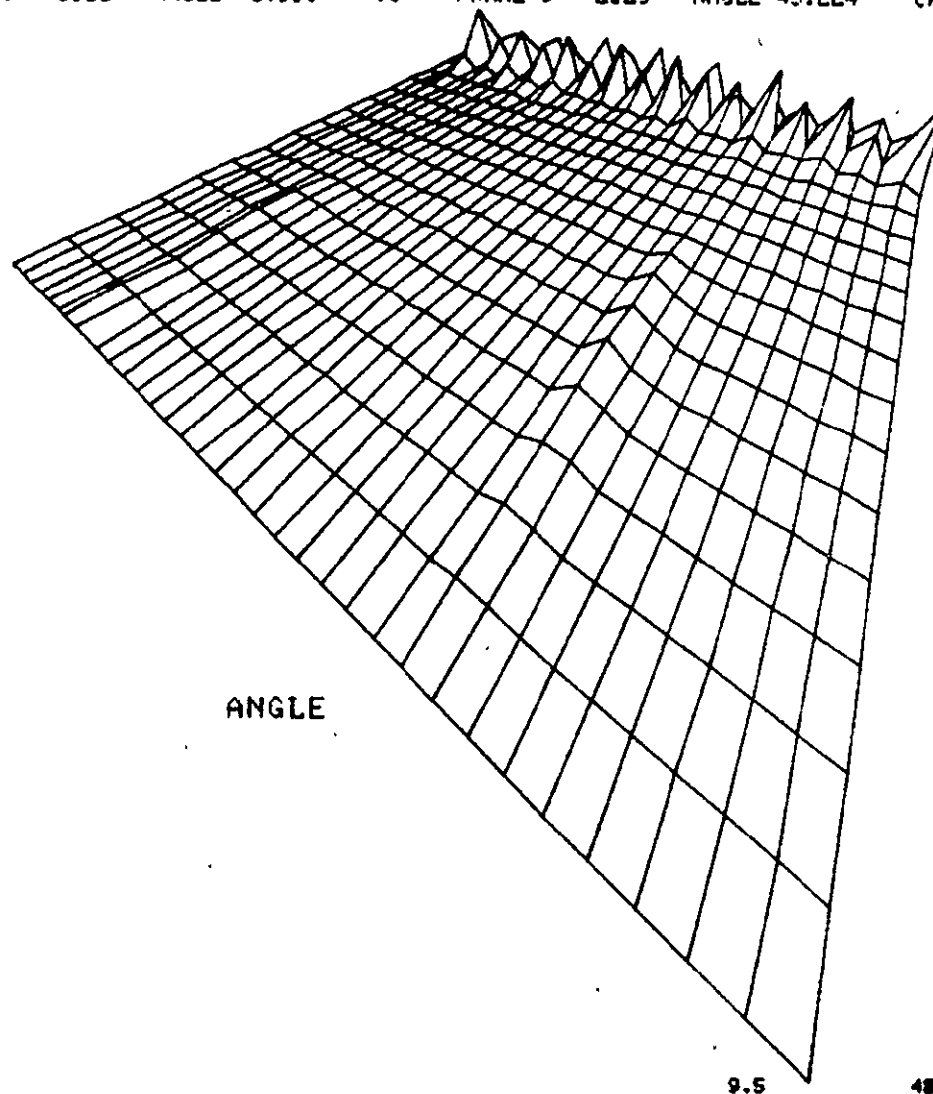
ENTER "D" TO CONTINUE

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 1 FRAME # 1916 ANGLE 9.950 TO FRAME # 2525 ANGLE 45.224 CRITICAL AMP AT CELL 62  
 OPTION # 11-1

MAXIMUM I = 50.0  
 AVERAGE I = 3.2

ANGLE
1 9.5
2 9.8
3 10.4
4 11.2
5 12.2
6 13.3
7 14.4
8 15.6
9 16.8
10 18.0
11 19.1
12 20.2
13 21.3
14 22.5
15 23.7
16 24.9
17 26.1
18 27.3
19 28.4
20 29.6
21 30.8
22 31.9
23 33.0
24 34.2
25 35.4
26 36.5
27 37.6
28 38.9
29 40.0
30 41.2
31 42.3
32 43.5
33 44.4
34 45.1

45.1



155.4

R

R
1 155.4
2 174.7
3 194.0
4 213.3
5 232.7
6 252.0
7 271.3
8 290.6
9 309.9
10 329.3
11 348.6
12 367.9
13 387.2
14 406.6
15 425.9
16 445.2
17 463.9

9.5

483.9

IMAX, R, A DISPLAY

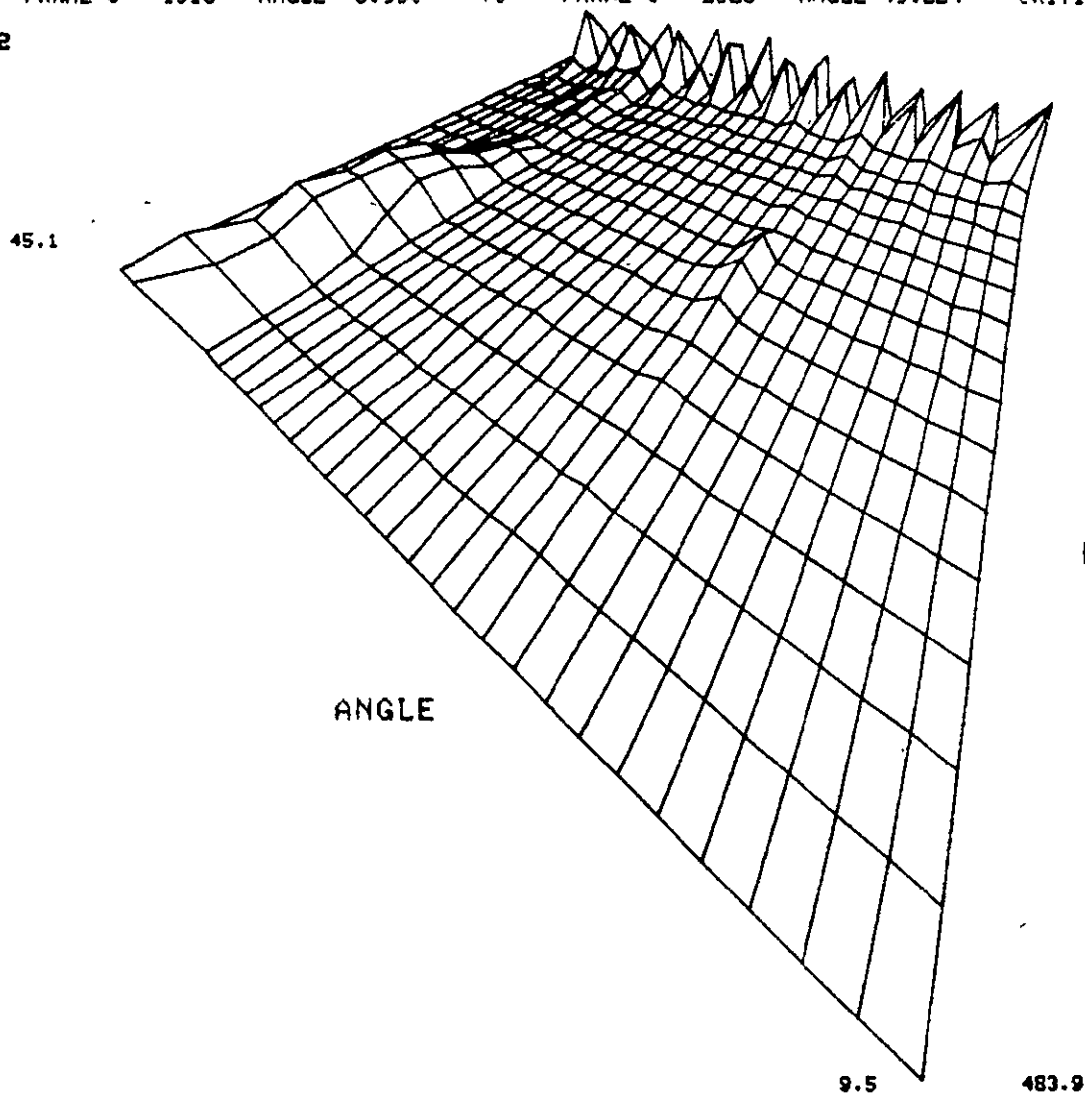
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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 1 FRAME # 1916 ANGLE 8.950 TO FRAME # 2525 ANGLE 45.224 CRITICAL AMP AT CELL 62  
 OPTION # 11-2

MAXIMUM I = 68.0  
 AVERAGE I = 8.1

ANGLE
1 9.5
2 9.8
3 10.4
4 11.2
5 12.2
6 13.3
7 14.4
8 15.6
9 16.8
10 18.0
11 19.1
12 20.2
13 21.3
14 22.5
15 23.7
16 24.9
17 26.1
18 27.3
19 28.4
20 29.6
21 30.8
22 31.9
23 33.0
24 34.2
25 35.4
26 36.5
27 37.6
28 38.9
29 40.0
30 41.2
31 42.3
32 43.5
33 44.4
34 45.1



R
1 155.4
2 174.7
3 194.0
4 213.3
5 232.7
6 252.0
7 271.3
8 290.6
9 309.9
10 329.3
11 348.6
12 367.9
13 387.2
14 406.6
15 425.9
16 445.2
17 463.9

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Imax, R, A DISPLAY

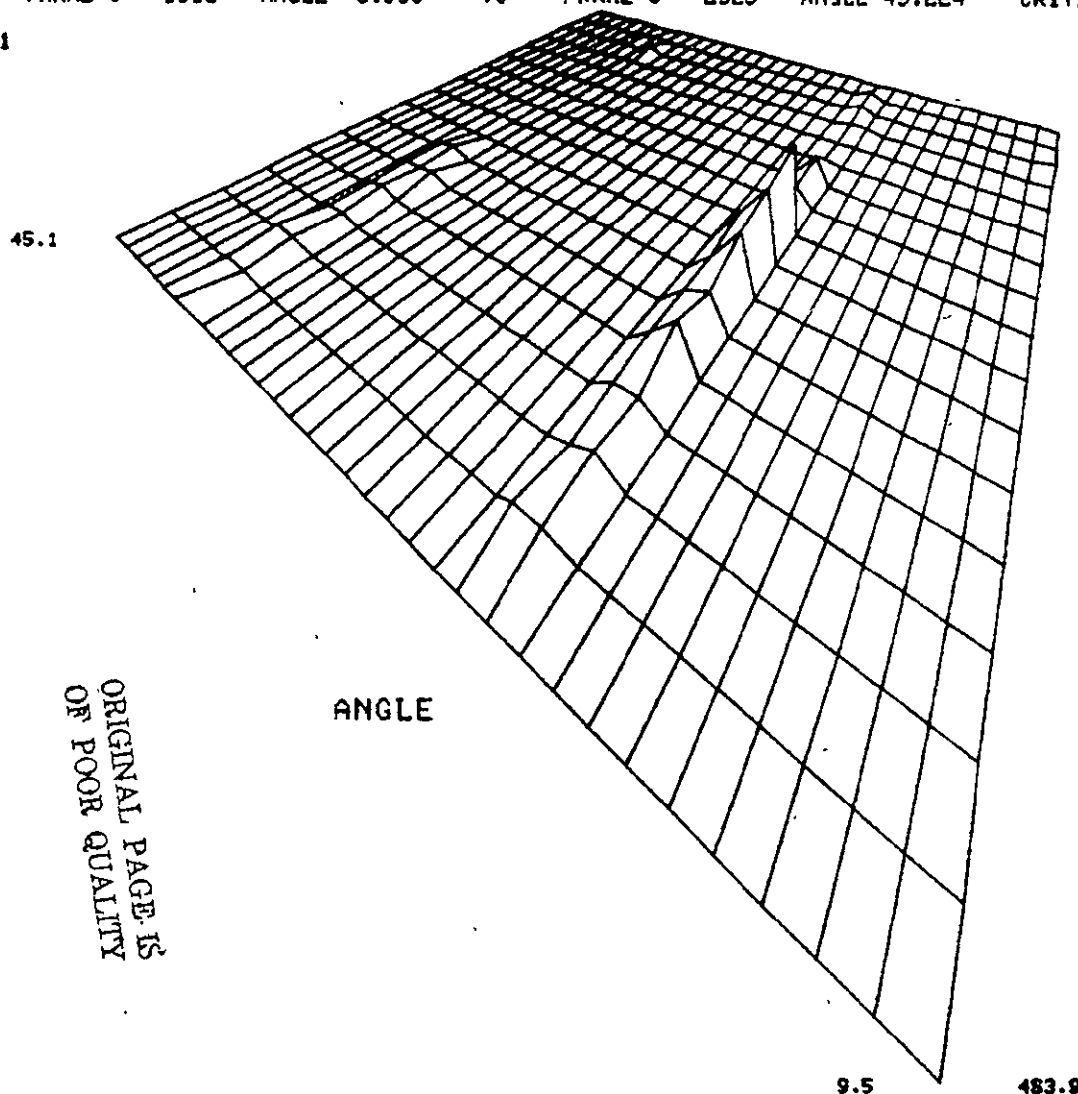
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 1 FRAME # 1916 ANGLE 8.950 TO FRAME # 2525 ANGLE 45.224 CRITICAL AMP AT CELL 62

OPTION # 12-1

MAXIMUM I = 22.0

AVERAGE I = 0.4

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.3  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.1  
 18 27.3  
 19 28.4  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.0  
 24 34.2  
 25 35.4  
 26 36.5  
 27 37.6  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.5  
 33 44.4  
 34 45.1

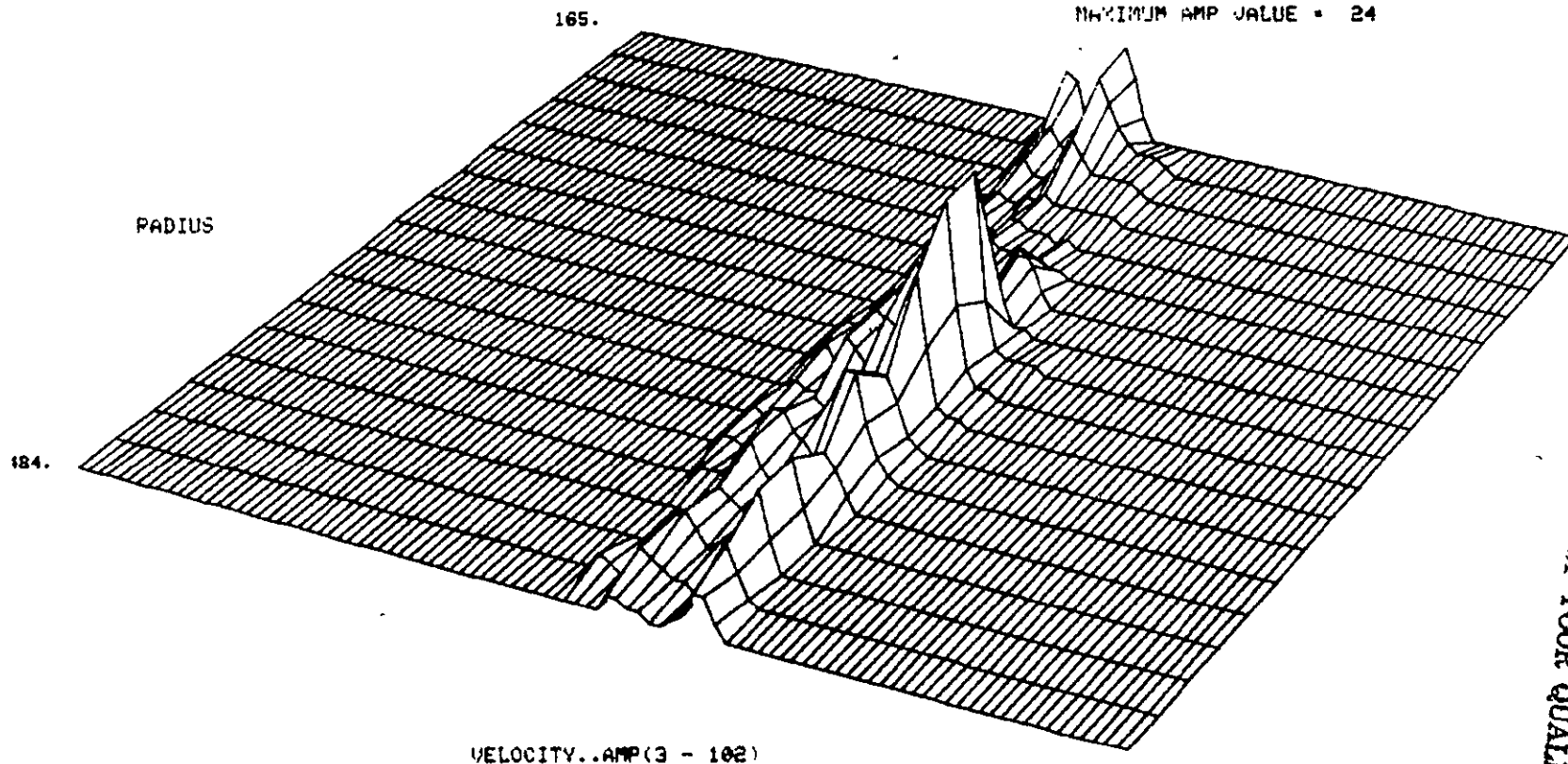


R.  
 1 155.4  
 2 174.7  
 3 194.0  
 4 213.3  
 5 232.7  
 6 252.0  
 7 271.3  
 8 290.6  
 9 309.9  
 10 329.3  
 11 348.6  
 12 367.9  
 13 387.2  
 14 406.6  
 15 425.9  
 16 445.2  
 17 483.9

I, R, A DISPLAY AT VELOCITY CELL 62

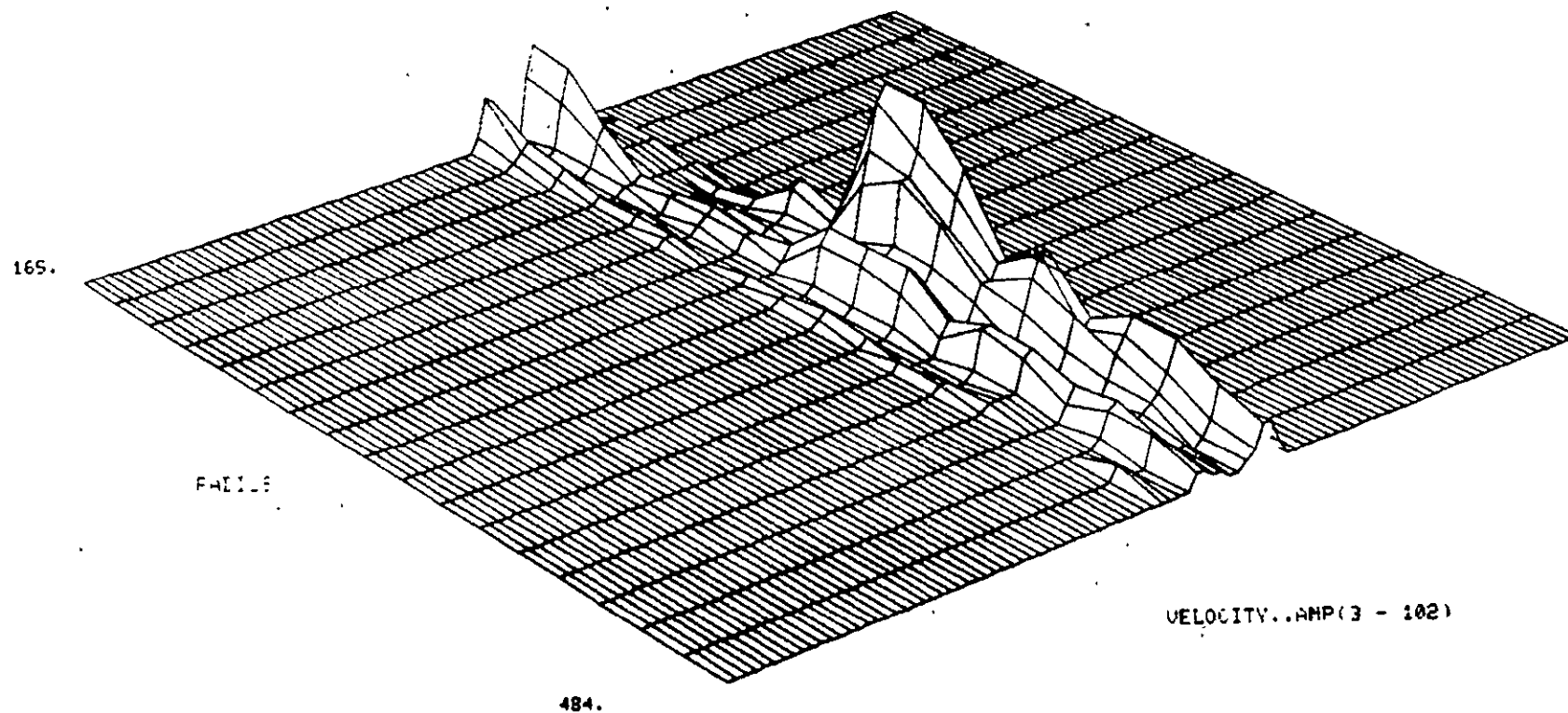
8  
5

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
SCAN # 1 FRAME # 1916 ANGLE 2.950 TO FRAME # 2525 ANGLE 45.224 CRITICAL AMP AT CELL 62  
FRAME # 2099 TO 2117  
ANGLE = 19.19  
MAXIMUM AMP VALUE = 24



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OF POOR QUALITY

\* NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 1 FRAME # 1916 ANGLE 9.950 TO FRAME # 2525 ANGLE 45.224 CRITICAL AMP AT CELL 62  
 FRAME # 2099 TO 2117  
 ANGLE = 19.19  
 MAXIMUM AMP VALUE = 24



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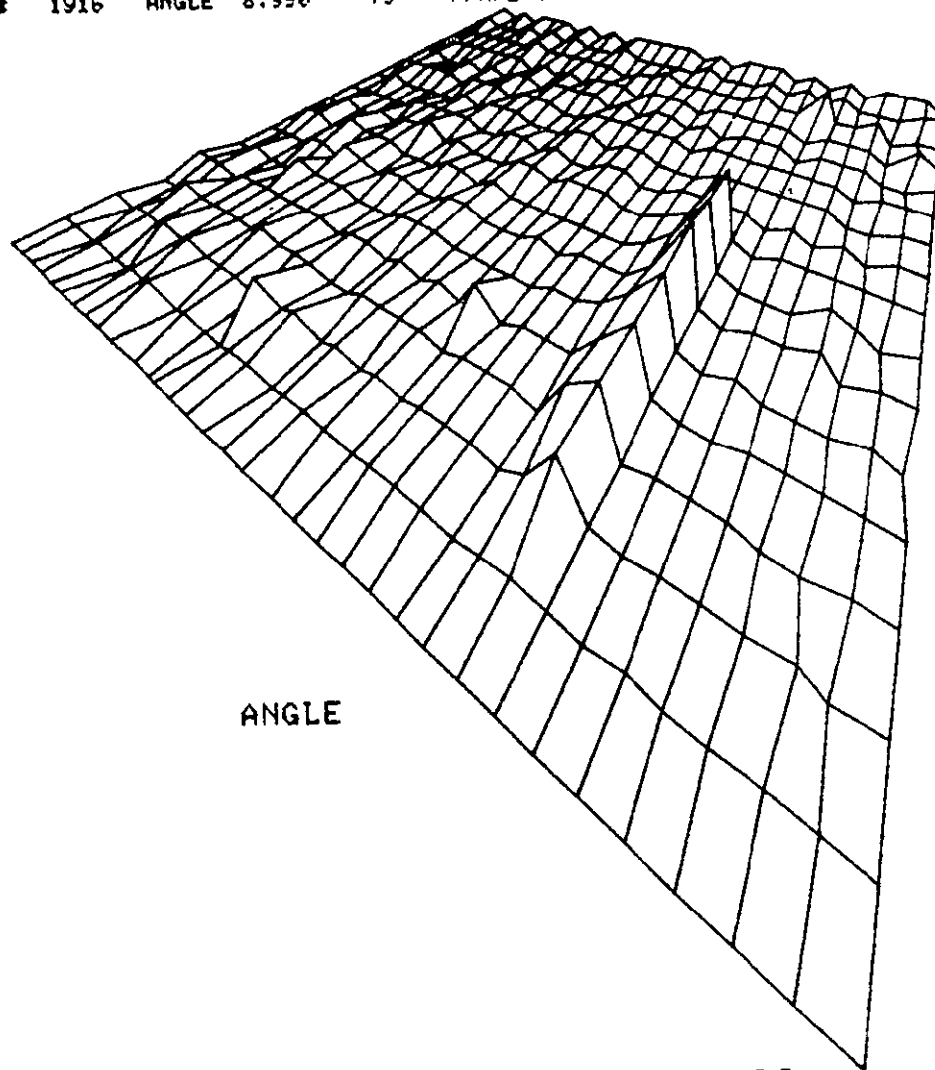
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 1 FRAME # 1916 ANGLE 8.950 TO FRAME # 2525 ANGLE 45.224 CRITICAL AMP AT CELL 62

OPTION # 21-1

MAXIMUM U = 9.0  
 AVERAGE U = 1.9

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.3  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.1  
 18 27.3  
 19 28.4  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.0  
 24 34.2  
 25 35.4  
 26 36.5  
 27 37.6  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.5  
 33 44.4  
 34 45.1

45.1



155.4

R  
 1 155.4  
 2 174.7  
 3 194.0  
 4 213.3  
 5 232.7  
 6 252.0  
 7 271.3  
 8 290.6  
 9 309.9  
 10 329.3  
 11 348.6  
 12 367.9  
 13 387.2  
 14 406.6  
 15 425.9  
 16 445.2  
 17 483.9

R

ANGLE

9.5

483.9

U, R, A DISPLAY (VELOCITY AT I<sub>max</sub>)

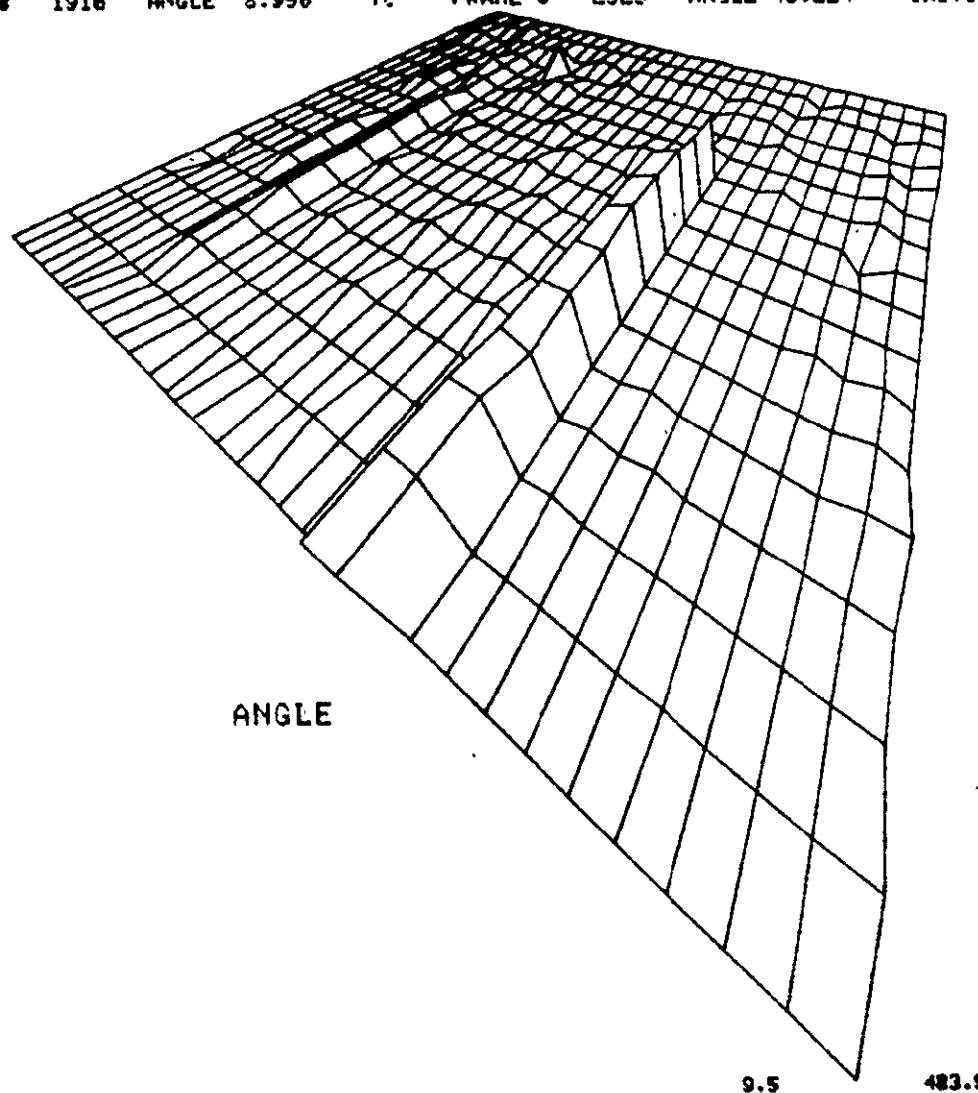
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 3110  
 : SCAN # 1 FRAME # 1916 ANGLE 8.950 TO FRAME # 2525 ANGLE 45.224 CRITICAL AMP AT CELL 62

OPTION # 21-2

MAXIMUM U = 11.0

AVERAGE U = 3.6

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.3  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.1  
 18 27.3  
 19 28.4  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.0  
 24 34.2  
 25 35.4  
 26 36.5  
 27 37.6  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.5  
 33 44.4  
 34 45.1



R  
 1 155.4  
 2 174.7  
 3 194.0  
 4 213.3  
 5 232.7  
 6 252.0  
 7 271.3  
 8 290.6  
 9 309.9  
 10 329.3  
 11 348.6  
 12 367.9  
 13 387.2  
 14 406.6  
 15 425.9  
 16 445.2  
 17 463.9

U, R, A DISPLAY (VELOCITY AT I\_max)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 1 FRAME # 1916 ANGLE 8.950 TO FRAME # 2525 ANGLE 45.224 CRITICAL AMP AT CELL 62

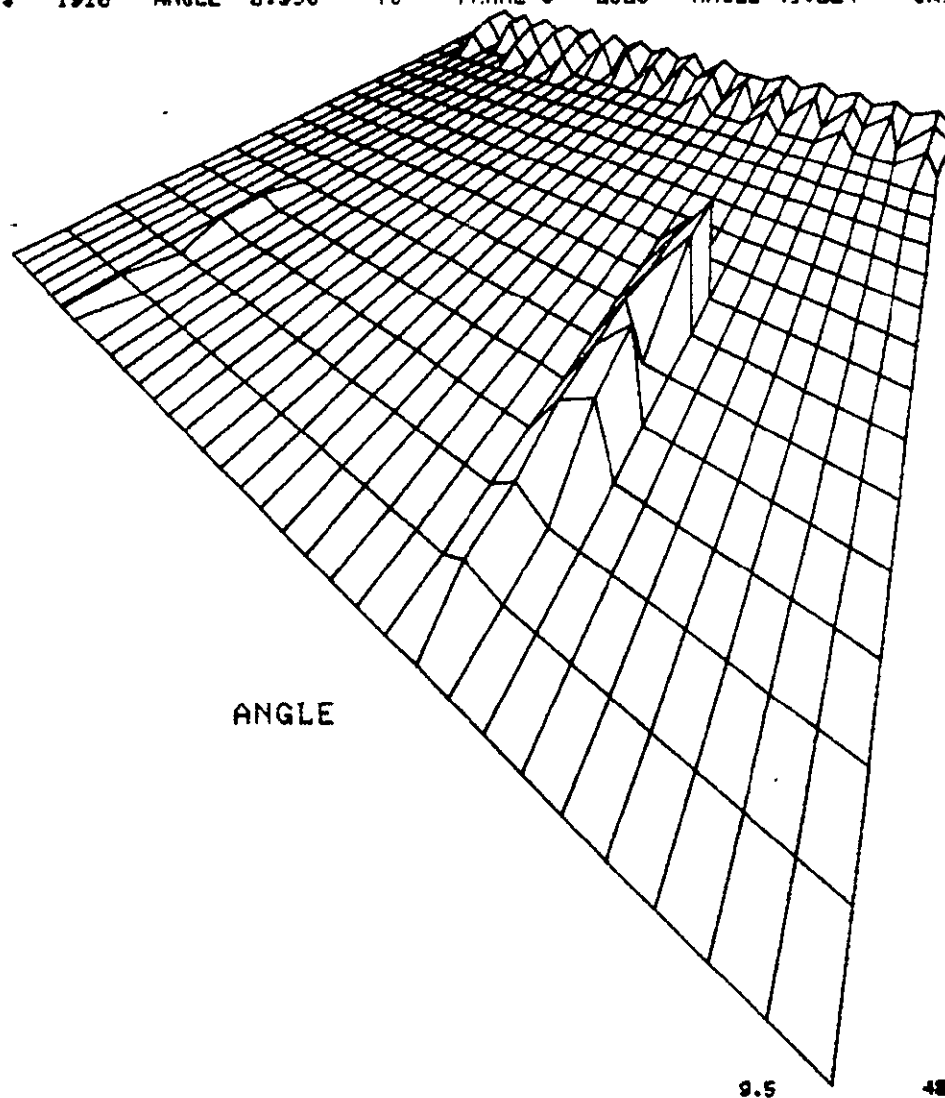
OPTION # 22-1

MAXIMUM U = 9.0

AVERAGE U = 1.4

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.3  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.1  
 18 27.3  
 19 28.4  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.0  
 24 34.2  
 25 35.4  
 26 36.5  
 27 37.6  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.5  
 33 44.4  
 34 45.1

45.1



155.4

R

R  
 1 155.4  
 2 174.7  
 3 194.0  
 4 213.3  
 5 232.7  
 6 252.0  
 7 271.3  
 8 290.6  
 9 309.9  
 10 329.3  
 11 348.6  
 12 367.9  
 13 387.2  
 14 406.6  
 15 425.9  
 16 445.2  
 17 463.9

ANGLE

9.5

483.9

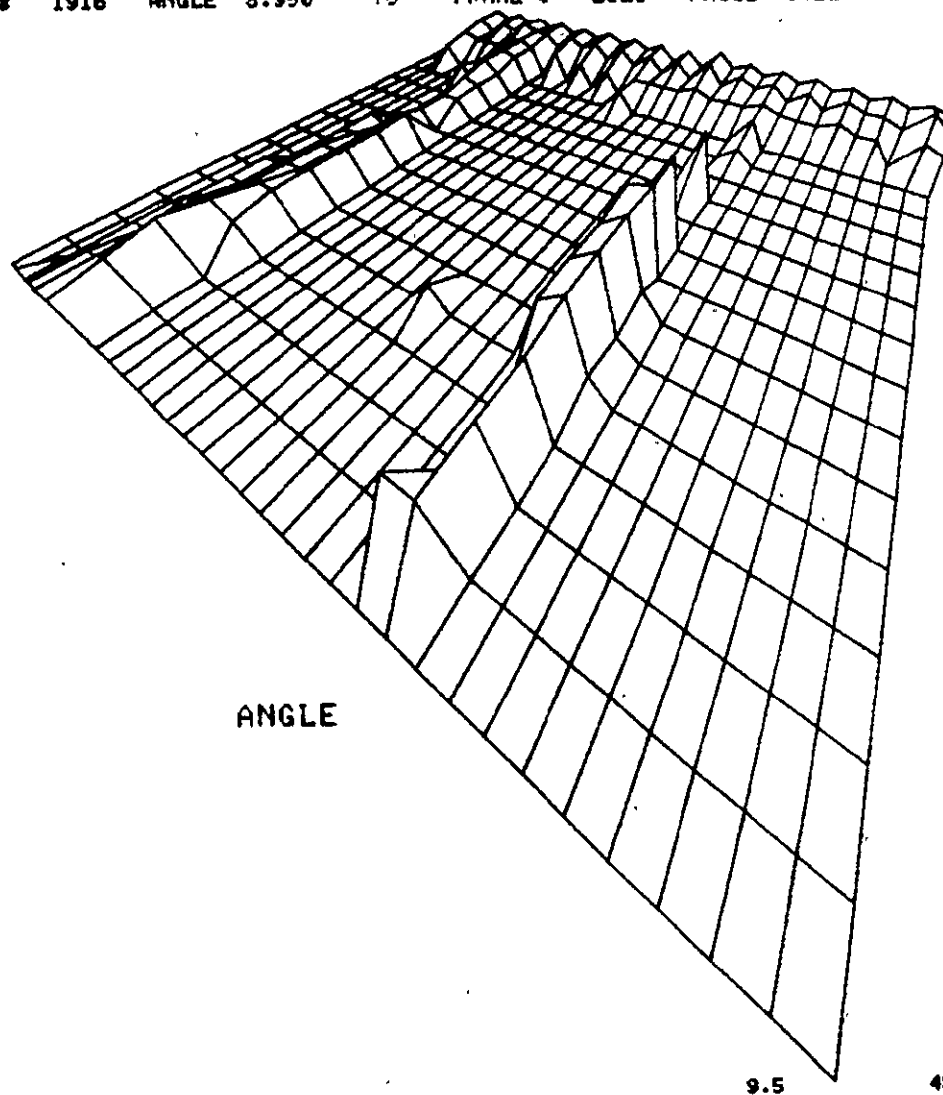
Umax, R, A DISPLAY AMPLITUDE THRESHOLD AT 1 = 5

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 1 FRAME # 1916 ANGLE 8.950 TO FRAME # 2525 ANGLE 45.224 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 12.0  
 AVERAGE U = 2.3

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.3  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.1  
 18 27.3  
 19 28.4  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.0  
 24 34.2  
 25 35.4  
 26 36.5  
 27 37.6  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.5  
 33 44.4  
 34 45.1

45.1



R  
 1 155.4  
 2 174.7  
 3 194.0  
 4 213.3  
 5 232.7  
 6 252.0  
 7 271.3  
 8 290.6  
 9 309.9  
 10 329.3  
 11 348.6  
 12 367.9  
 13 387.2  
 14 406.6  
 15 425.9  
 16 445.2  
 17 483.9

R

9.5

483.9

Umax, R, A DISPLAY AMPLITUDE THRESHOLD AT 1 = 10

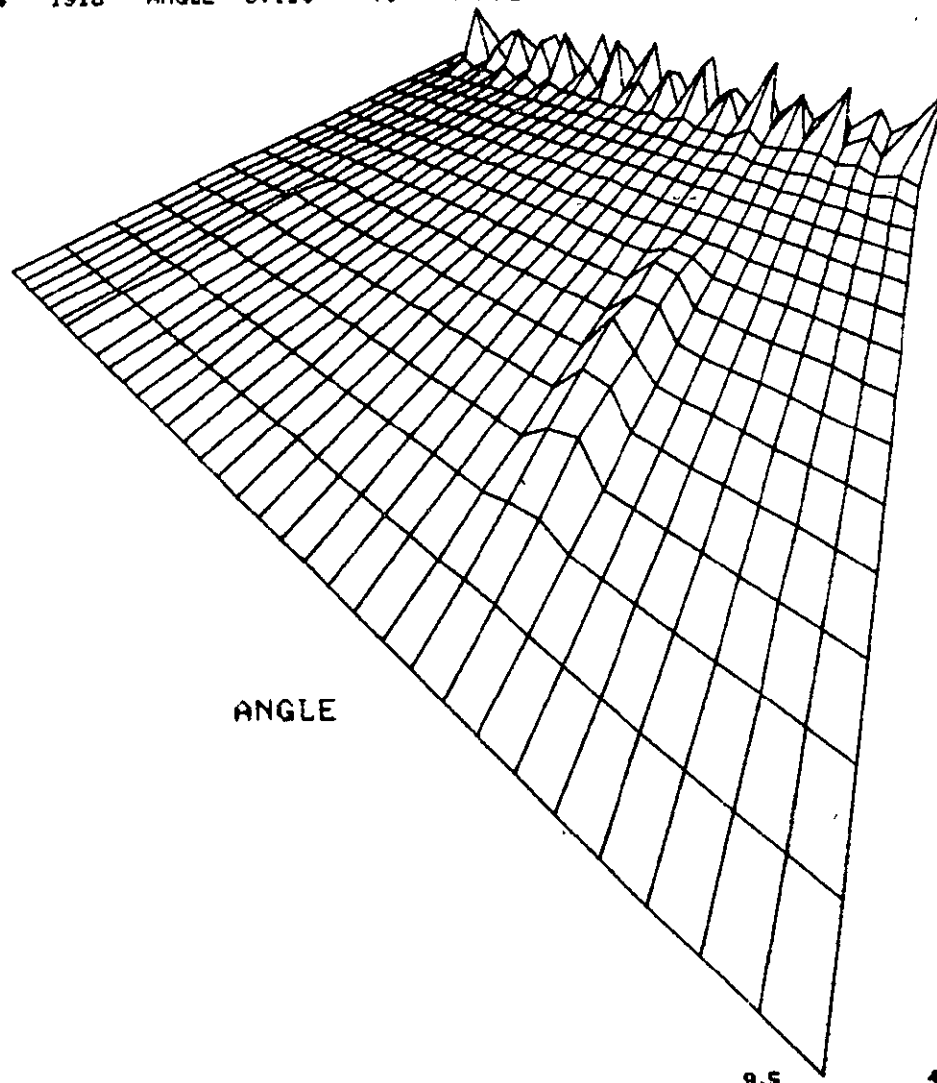
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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 1 FRAME # 1916 ANGLE 8.950 TO FRAME # 2525 ANGLE 45.224 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.3  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.1  
 18 27.3  
 19 28.4  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.0  
 24 34.2  
 25 35.4  
 26 36.5  
 27 37.6  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.5  
 33 44.4  
 34 45.1

45.1



155.4

R  
 1 155.4  
 2 174.7  
 3 194.0  
 4 213.3  
 5 232.7  
 6 252.0  
 7 271.3  
 8 290.6  
 9 309.9  
 10 329.3  
 11 348.6  
 12 367.9  
 13 387.2  
 14 406.6  
 15 425.9  
 16 445.2  
 17 483.9

R

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9.5

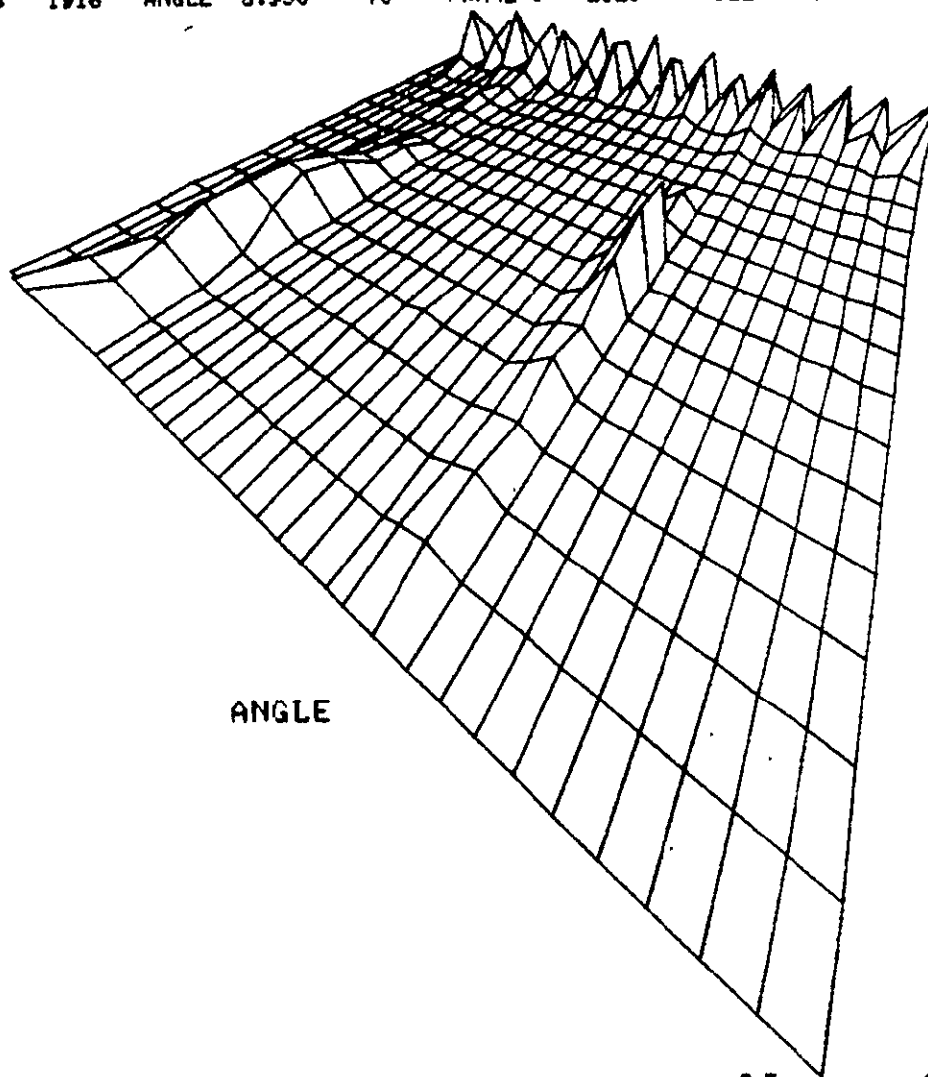
483.9

U \* I<sub>MAX</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 1 FRAME # 1916 ANGLE 8.950 TO FRAME # 2525 ANGLE 45.224 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.3  
 14 22.6  
 15 23.7  
 16 24.9  
 17 26.1  
 18 27.3  
 19 28.4  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.0  
 24 34.2  
 25 35.4  
 26 36.5  
 27 37.6  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.5  
 33 44.4  
 34 45.1

45.1



155.4

R  
 1 155.4  
 2 174.7  
 3 194.0  
 4 213.3  
 5 232.7  
 6 252.0  
 7 271.3  
 8 290.6  
 9 309.9  
 10 329.3  
 11 348.6  
 12 367.9  
 13 387.2  
 14 406.6  
 15 425.9  
 16 445.2  
 17 463.9

R

ANGLE

9.5

463.9

U \* I<sub>max</sub>, R, A DISPLAY

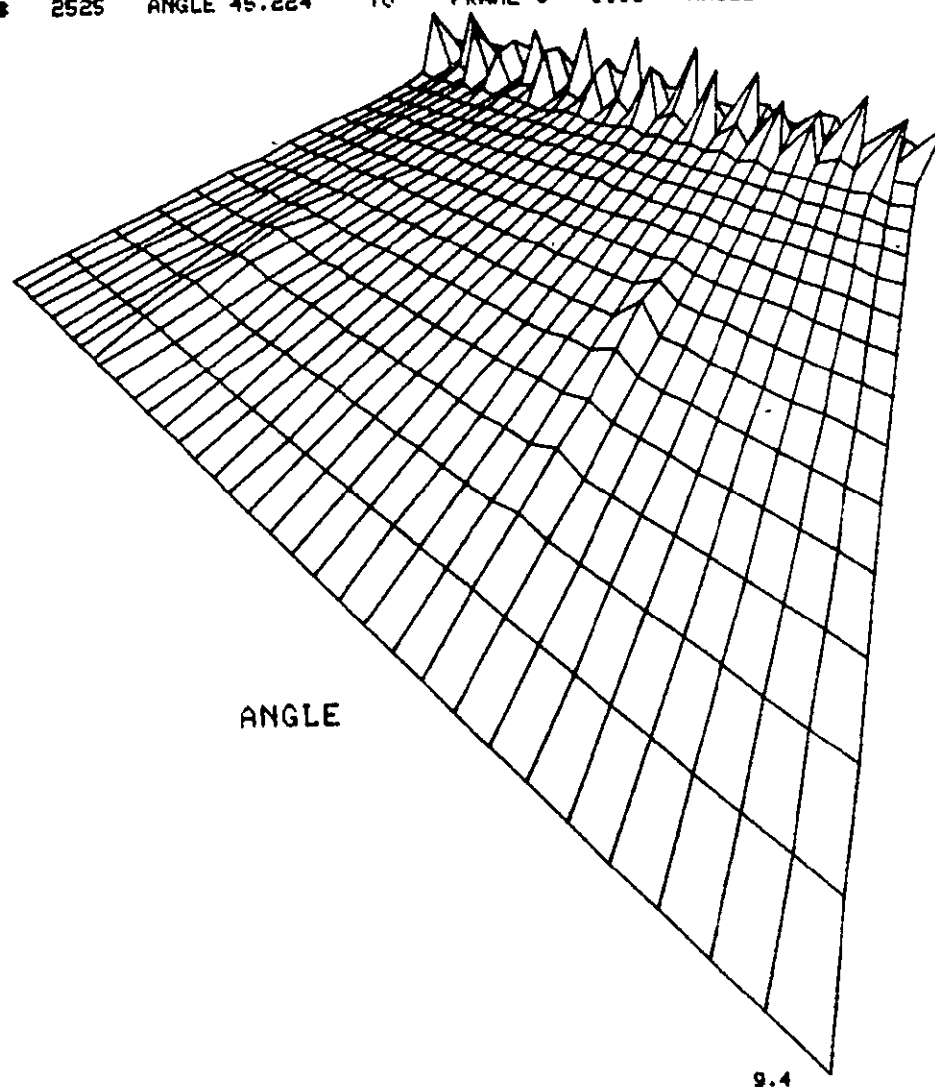
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 8.912 CRITICAL AMP AT CELL 62

OPTION # 11-1

MAXIMUM I = 41.0  
 AVERAGE I = 2.9

ANGLE  
 1 45.0  
 2 45.0  
 3 44.7  
 4 44.1  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.0  
 10 37.9  
 11 36.8  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.5  
 20 26.4  
 21 25.2  
 22 24.0  
 23 22.8  
 24 21.7  
 25 20.5  
 26 19.3  
 27 18.1  
 28 16.9  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.1  
 34 9.9  
 35 9.4

45.0



143.0

R

R  
 1 143.0  
 2 162.7  
 3 182.3  
 4 202.0  
 5 221.6  
 6 241.3  
 7 260.9  
 8 280.6  
 9 300.2  
 10 319.9  
 11 339.5  
 12 359.2  
 13 378.9  
 14 398.5  
 15 418.2  
 16 437.8  
 17 477.1

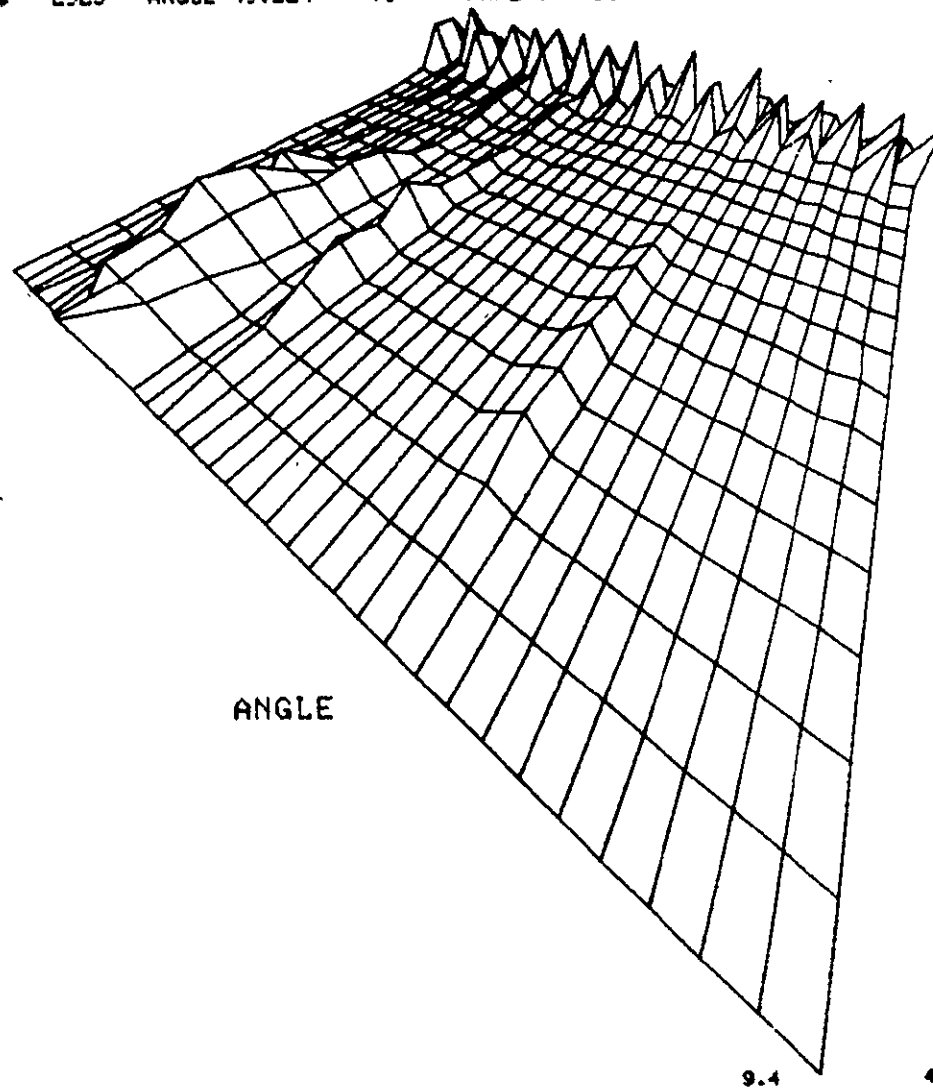
Imax, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 8.912 CRITICAL AMP AT CELL 62  
 OPTION # 11-2

MAXIMUM I - 67.0  
 AVERAGE I - 8.0

ANGLE  
 1 45.0  
 2 45.0  
 3 44.7  
 4 44.1  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.0  
 10 37.9  
 11 36.8  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.5  
 20 26.4  
 21 25.2  
 22 24.0  
 23 22.8  
 24 21.7  
 25 20.5  
 26 19.3  
 27 18.1  
 28 16.9  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.1  
 34 9.9  
 35 9.4

45.0



ANGLE

9.4

477.1

143.0

R

R  
 1 143.0  
 2 162.7  
 3 182.3  
 4 202.0  
 5 221.6  
 6 241.3  
 7 260.9  
 8 280.6  
 9 300.2  
 10 319.9  
 11 339.5  
 12 359.2  
 13 378.9  
 14 398.5  
 15 418.2  
 16 437.8  
 17 477.1

Imax, R, A DISPLAY

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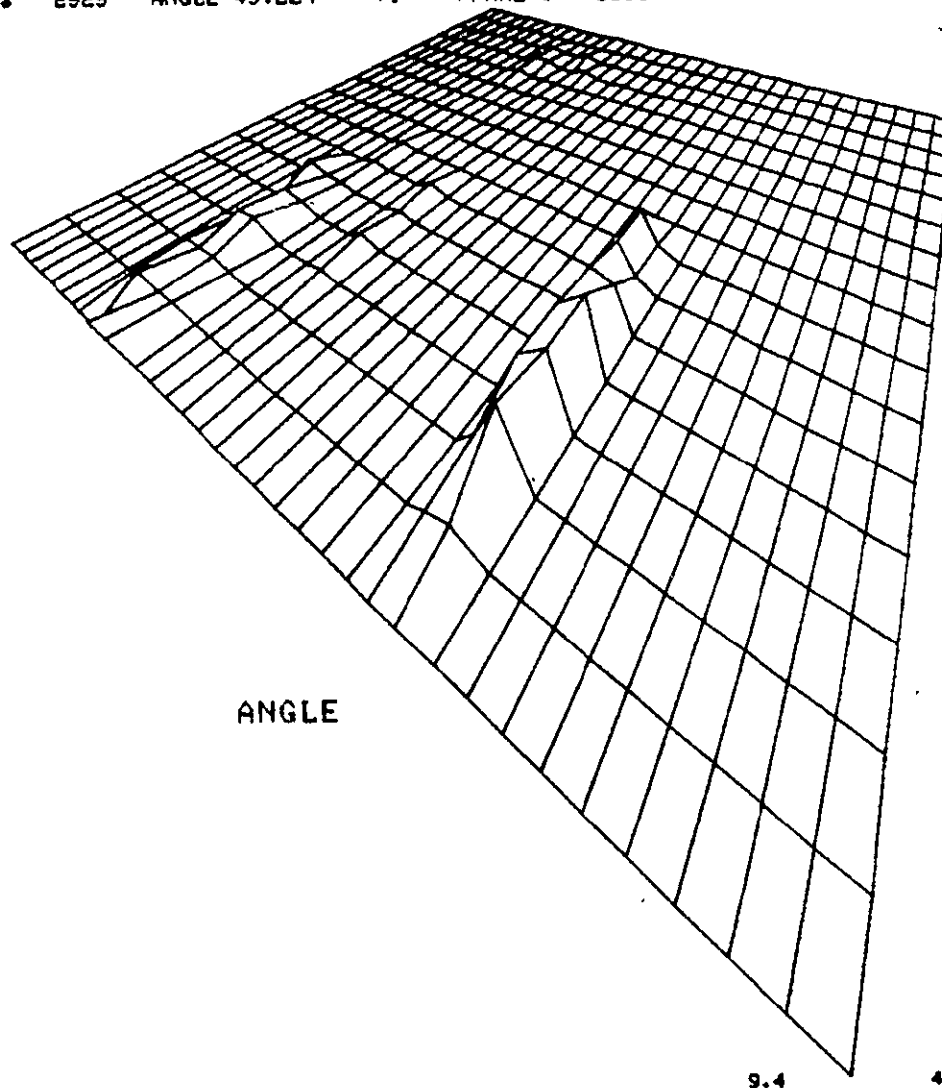
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 8.912 CRITICAL AMP AT CELL 62

OPTION # 12-1

MAXIMUM I = 16.0  
 AVERAGE I = 0.3

ANGLE  
 1 45.0  
 2 45.0  
 3 44.7  
 4 44.1  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.0  
 10 37.9  
 11 36.8  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.5  
 20 26.4  
 21 25.2  
 22 24.0  
 23 22.8  
 24 21.7  
 25 20.5  
 26 19.3  
 27 18.1  
 28 16.9  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.1  
 34 9.9  
 35 9.4

45.0



143.0

R  
 1 143.0  
 2 162.7  
 3 182.3  
 4 202.0  
 5 221.6  
 6 241.3  
 7 260.9  
 8 280.6  
 9 300.2  
 10 319.9  
 11 339.5  
 12 359.2  
 13 378.9  
 14 398.6  
 15 418.2  
 16 437.8  
 17 477.1

R

ANGLE

9.4

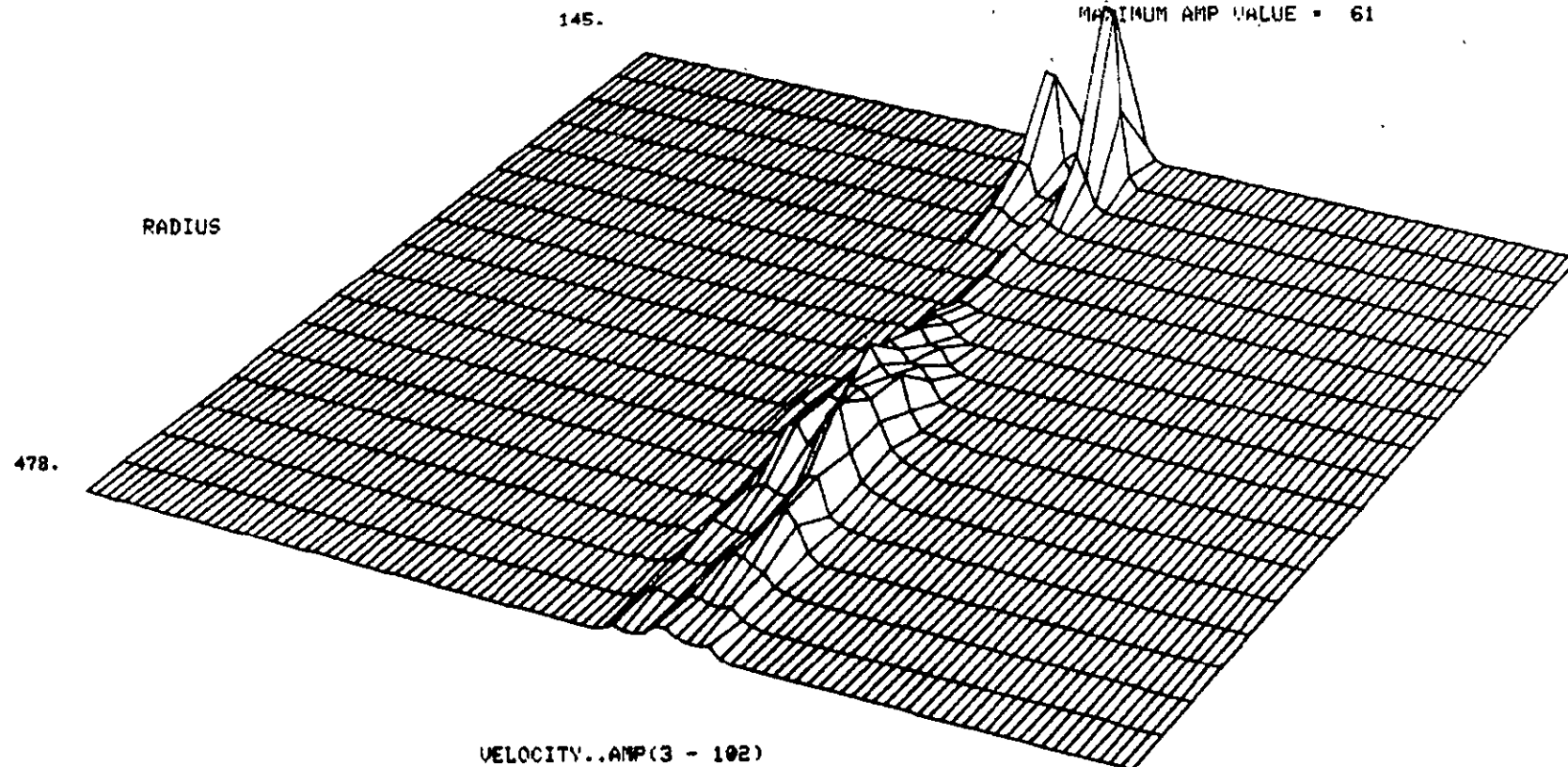
477.1

I, R, A DISPLAY AT VELOCITY CELL 62

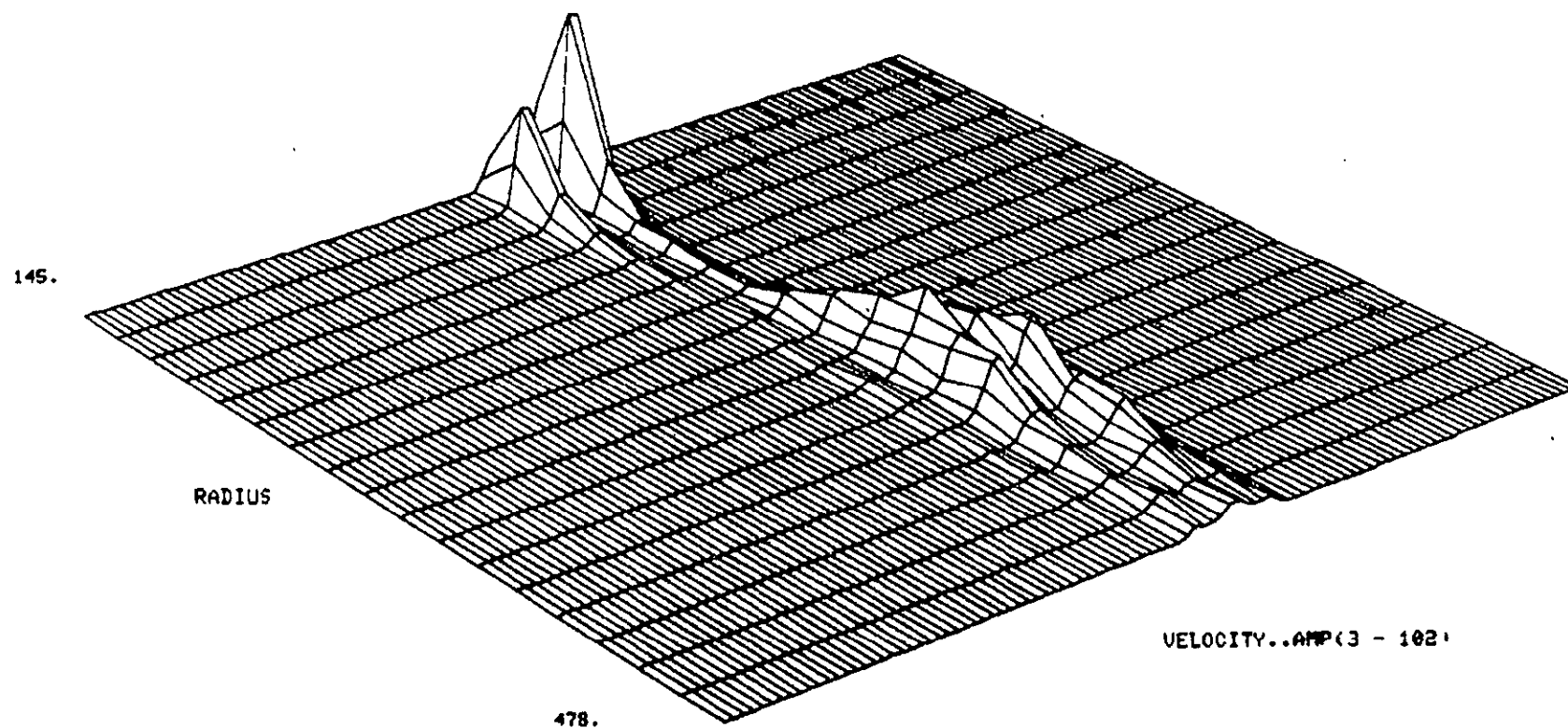
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8  
8

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 8.912 CRITICAL AMP AT CELL 62  
FRAME # 2955 TO 2973  
ANGLE = 20.48  
MAXIMUM AMP VALUE = 61



NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 8.912 CRITICAL AMP AT CELL 62  
 FRAME # 2955 TO 2973  
 ANGLE = 20.48  
 MAXIMUM AMP VALUE = 61



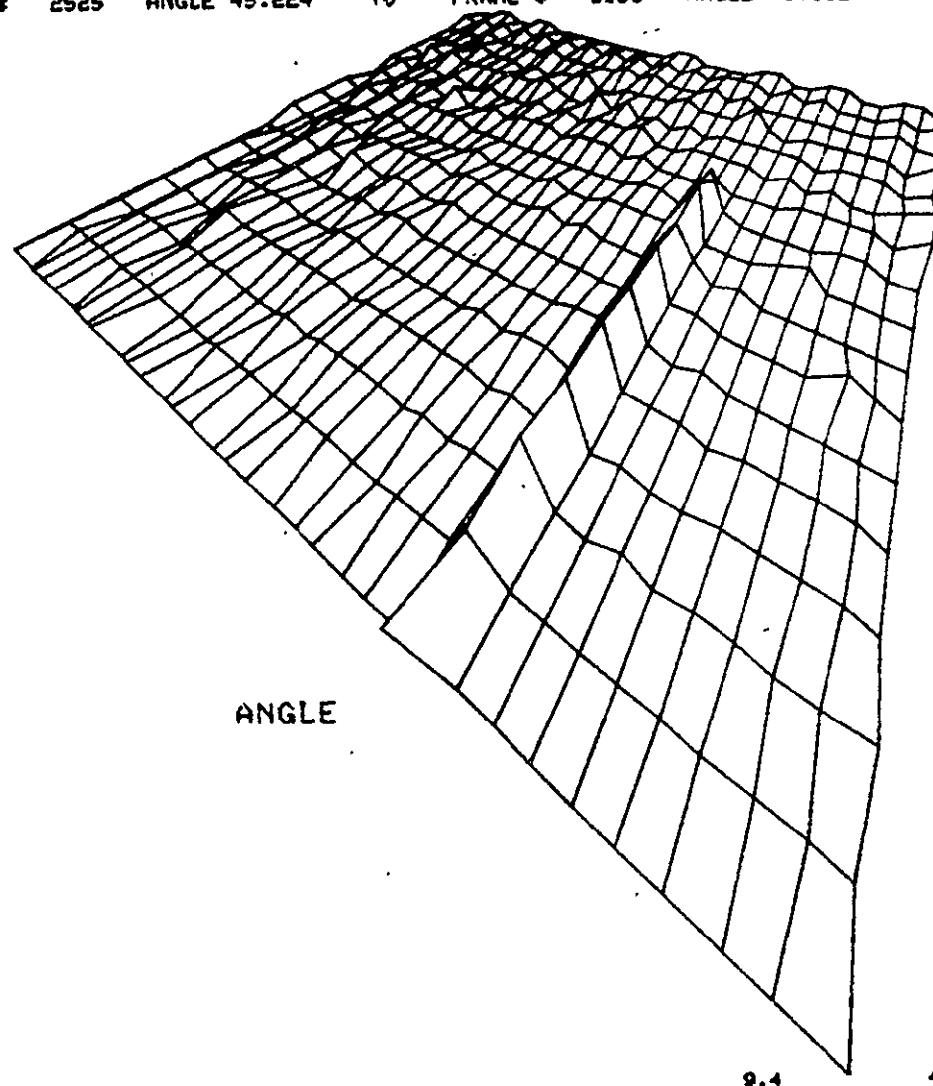
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 8.912 CRITICAL AMP AT CELL 62

OPTION # 21-1

MAXIMUM U = 10.0  
 AVERAGE U = 1.8

ANGLE  
 1 45.0  
 2 45.0  
 3 44.7  
 4 44.1  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.0  
 10 37.9  
 11 36.8  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.5  
 20 26.4  
 21 25.2  
 22 24.0  
 23 22.8  
 24 21.7  
 25 20.5  
 26 19.3  
 27 18.1  
 28 16.9  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.1  
 34 9.9  
 35 9.4

45.0



143.0

R

R  
 1 143.0  
 2 162.7  
 3 182.3  
 4 202.0  
 5 221.6  
 6 241.3  
 7 260.9  
 8 280.6  
 9 300.2  
 10 319.9  
 11 339.5  
 12 359.2  
 13 378.9  
 14 398.5  
 15 418.2  
 16 437.8  
 17 477.1

9.4

477.1

U, R, A DISPLAY (VELOCITY AT IMAX)

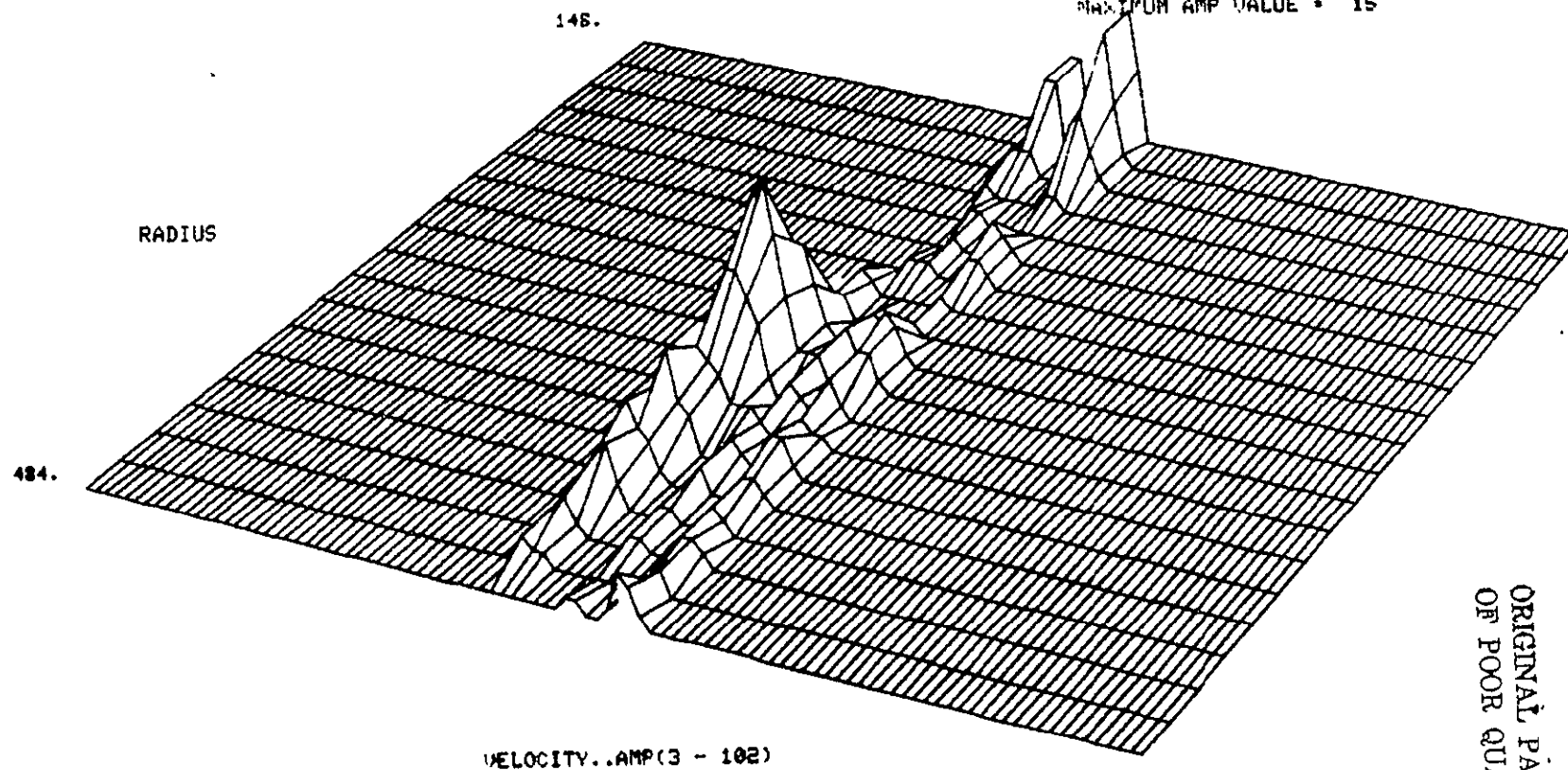
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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 3110  
 SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 8.912 CRITICAL AMP AT CELL 62  
 FRAME # 2973 TO 2992

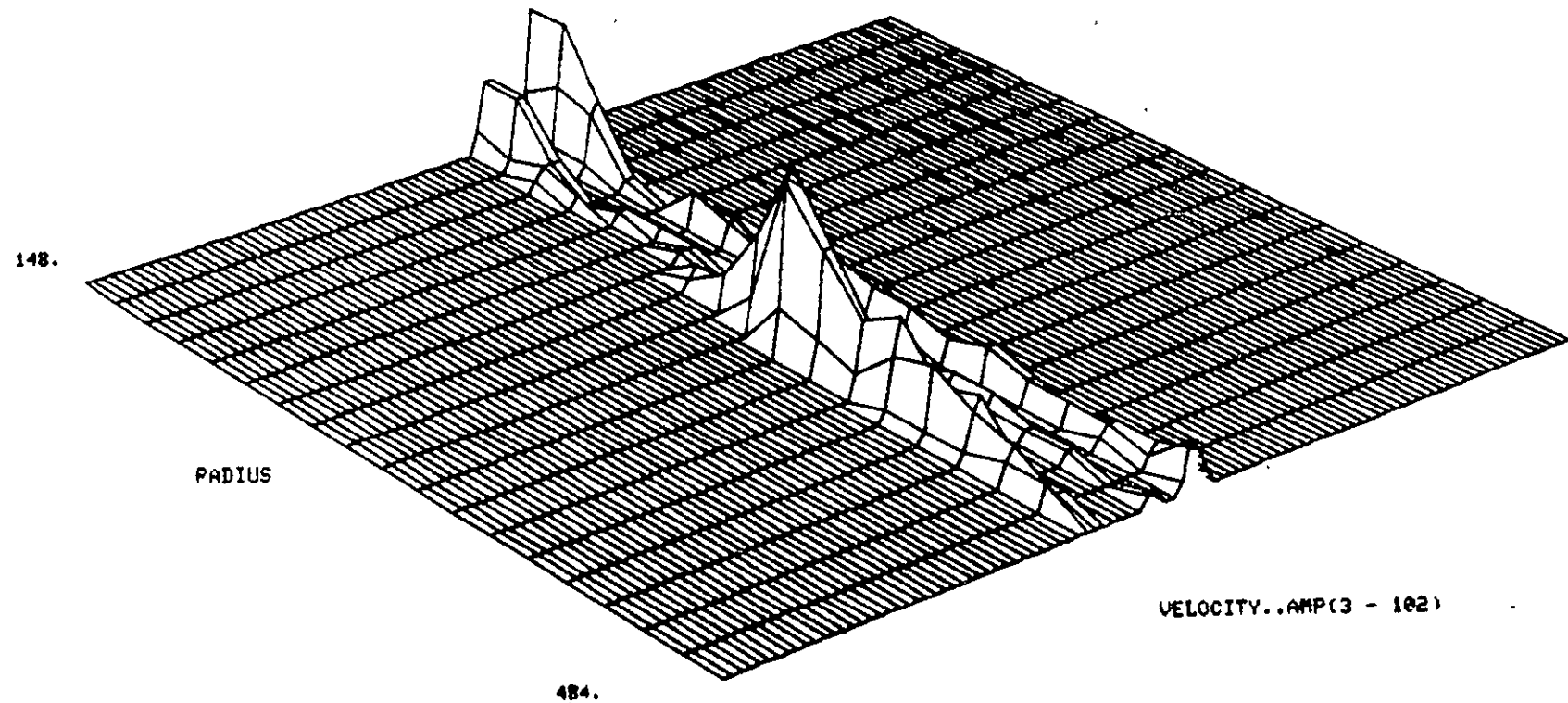
ANGLE - 19.32

MAXIMUM AMP VALUE - 15



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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 8.912 CRITICAL AMP AT CELL 62  
 FRAME # 2973 TO 2992  
 ANGLE = 19.32  
 MAXIMUM AMP VALUE = 15



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 8.912 CRITICAL AMP AT CELL 62

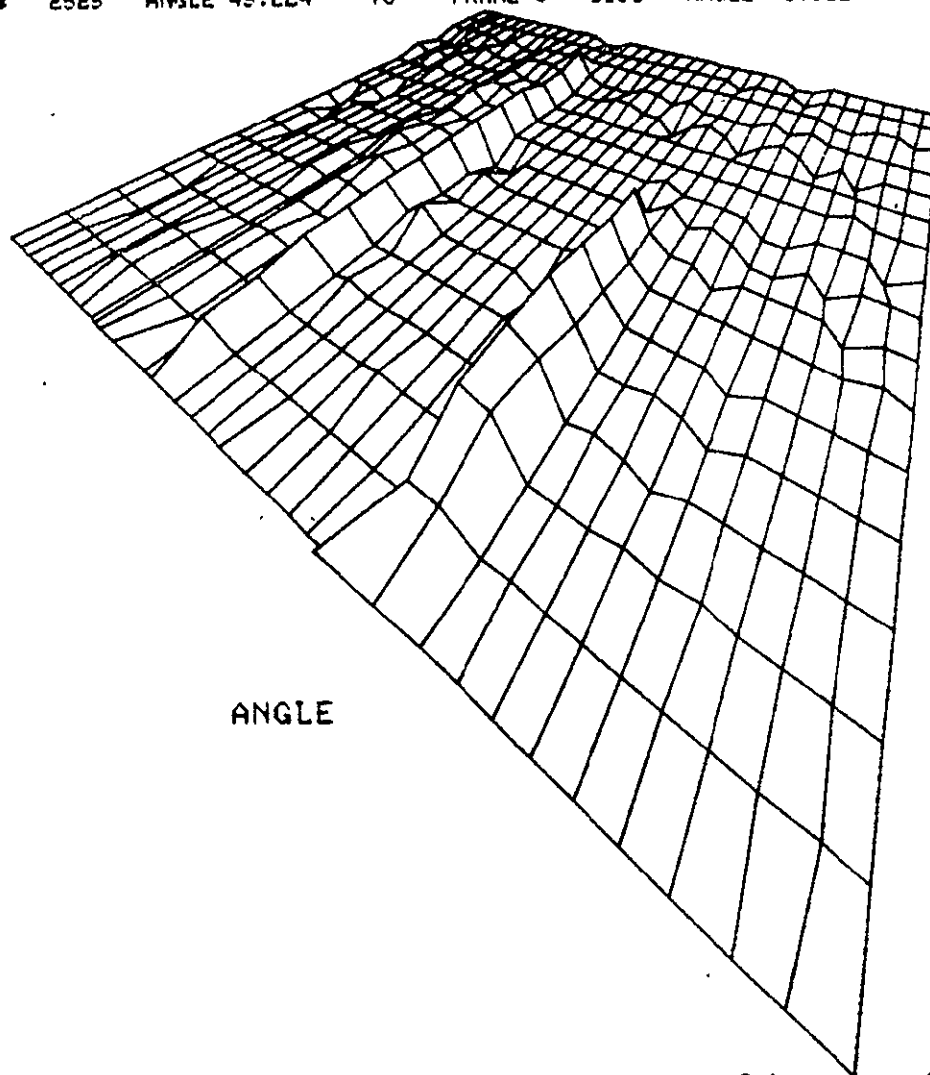
OPTION # 21-2

MAXIMUM U = 11.0

AVERAGE U = 3.4

ANGLE  
 1 45.0  
 2 45.0  
 3 44.7  
 4 44.1  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.0  
 10 37.9  
 11 36.8  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.5  
 20 26.4  
 21 25.2  
 22 24.0  
 23 22.8  
 24 21.7  
 25 20.5  
 26 19.3  
 27 18.1  
 28 16.9  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.1  
 34 9.9  
 35 9.4

45.0



143.0

R  
 1 143.0  
 2 162.7  
 3 182.3  
 4 202.0  
 5 221.6  
 6 241.3  
 7 260.9  
 8 280.6  
 9 300.2  
 10 319.9  
 11 339.5  
 12 359.2  
 13 378.9  
 14 398.5  
 15 418.2  
 16 437.8  
 17 477.1

R

ANGLE

9.4

477.1

U, R, A DISPLAY (VELOCITY AT I MAX)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 8.312 CRITICAL AMP AT CELL 62

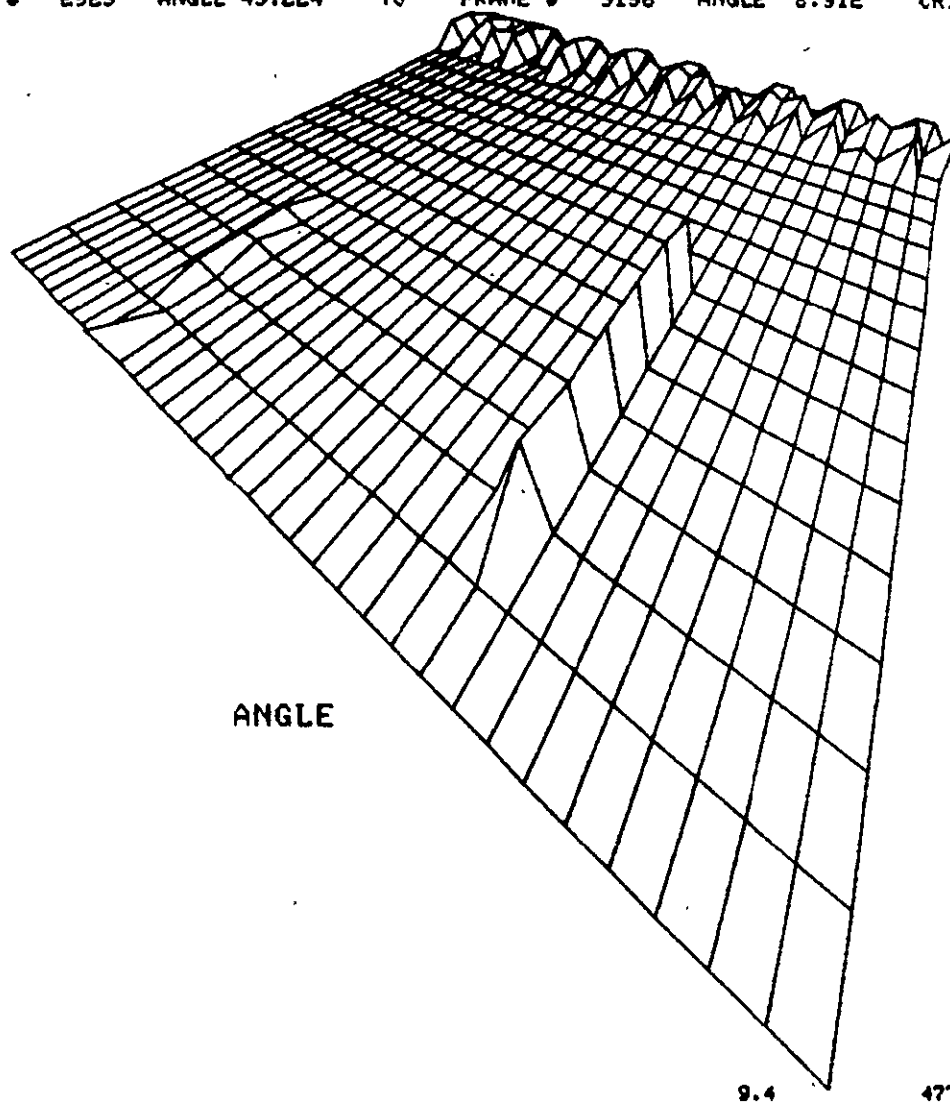
OPTION # 22-1

MAXIMUM U = 9.0

AVERAGE U = 1.3

ANGLE  
 1 45.0  
 2 45.0  
 3 44.7  
 4 44.1  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.0  
 10 37.9  
 11 36.8  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.5  
 20 26.4  
 21 25.2  
 22 24.0  
 23 22.8  
 24 21.7  
 25 20.5  
 26 19.3  
 27 18.1  
 28 16.9  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.1  
 34 9.9  
 35 9.4

45.0



143.0

R  
 1 143.0  
 2 162.7  
 3 182.3  
 4 202.0  
 5 221.6  
 6 241.3  
 7 260.9  
 8 280.6  
 9 300.2  
 10 319.9  
 11 339.5  
 12 359.2  
 13 378.9  
 14 398.5  
 15 418.2  
 16 437.8  
 17 477.1

R

ANGLE

9.4

477.1

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 8.912 CRITICAL AMP AT CELL 62

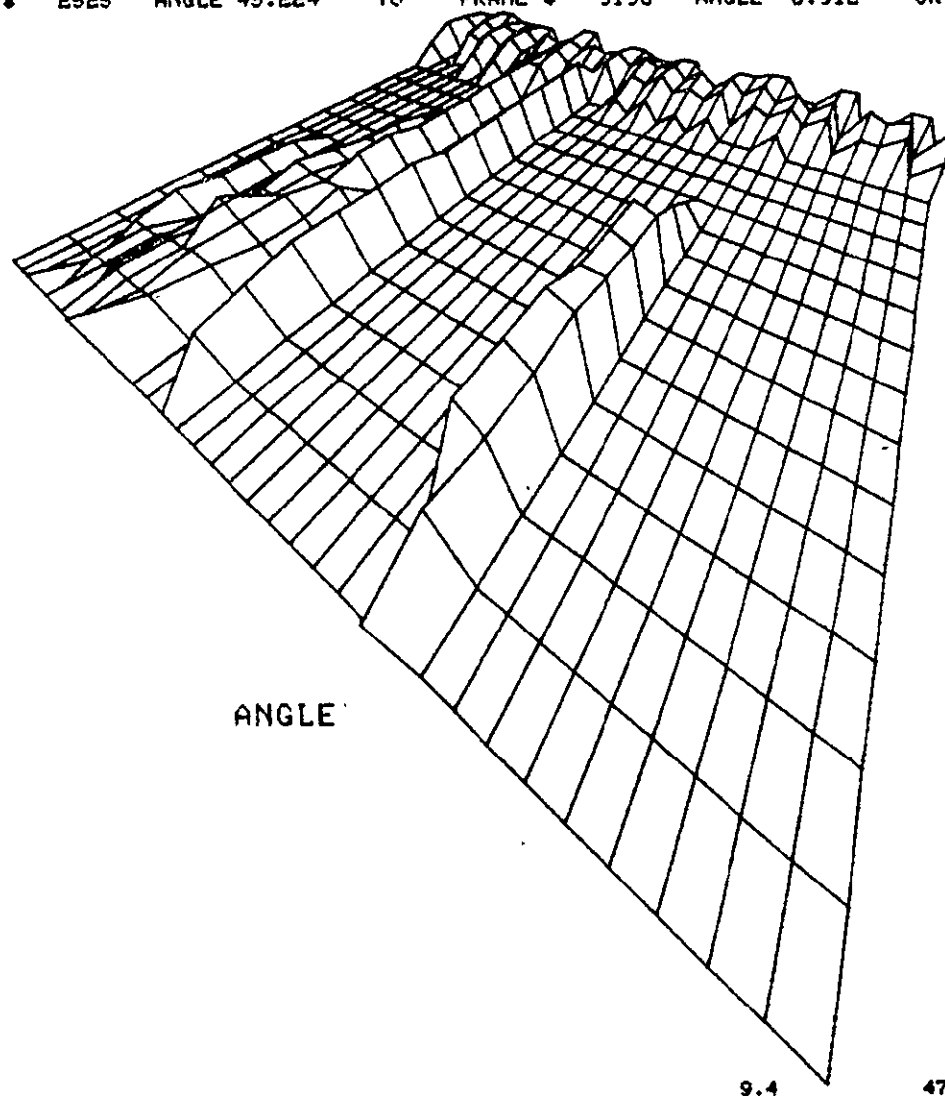
OPTION # 22-2

MAXIMUM U = 12.9

AVERAGE U = 2.4

ANGLE  
 1 45.0  
 2 45.0  
 3 44.7  
 4 44.1  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.0  
 10 37.9  
 11 36.8  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.5  
 20 26.4  
 21 25.2  
 22 24.0  
 23 22.8  
 24 21.7  
 25 20.5  
 26 19.3  
 27 18.1  
 28 16.9  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.1  
 34 9.9  
 35 9.4

45.0



143.0

R  
 1 143.0  
 2 162.7  
 3 182.3  
 4 202.0  
 5 221.6  
 6 241.3  
 7 260.9  
 8 280.6  
 9 300.2  
 10 319.9  
 11 339.5  
 12 359.2  
 13 378.9  
 14 398.5  
 15 418.2  
 16 437.8  
 17 477.1

R

ANGLE

9.4

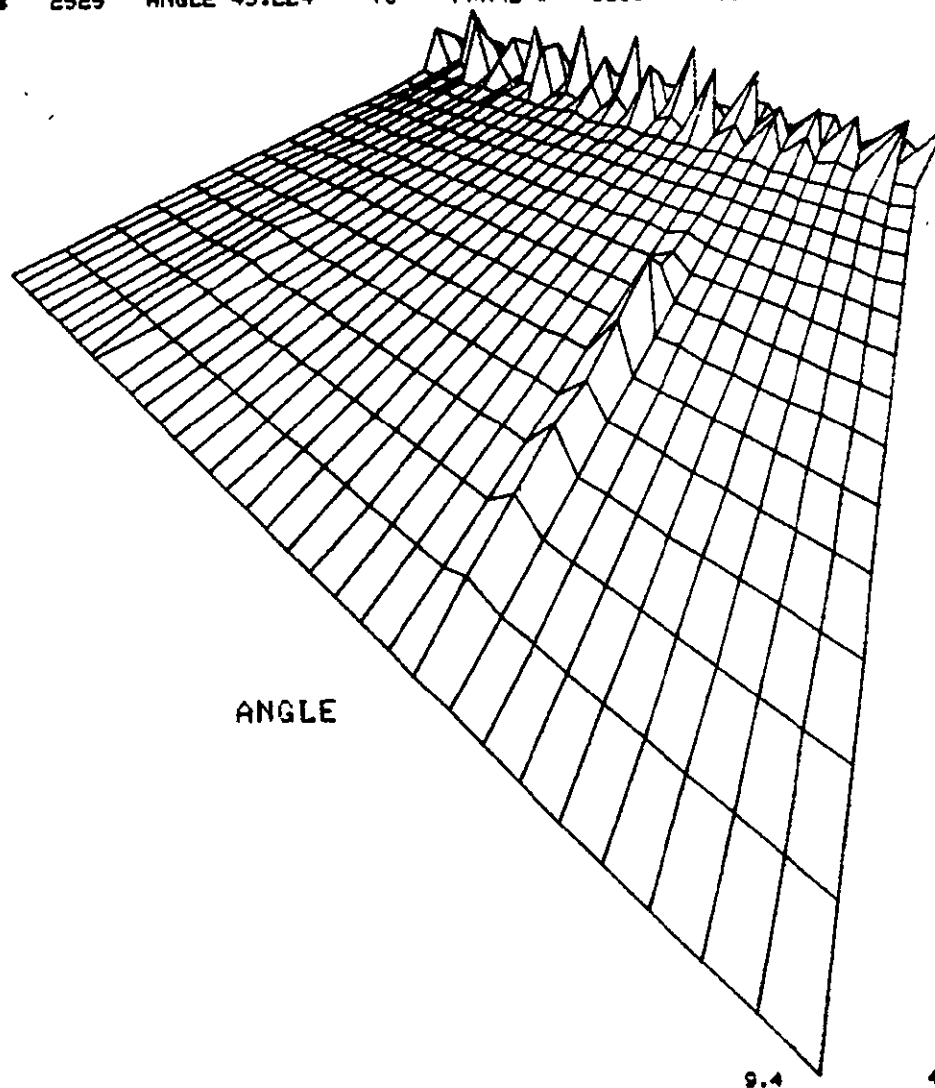
477.1

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 9.912 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 45.0  
 2 45.0  
 3 44.7  
 4 44.1  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.0  
 10 37.9  
 11 36.8  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.5  
 20 26.4  
 21 25.2  
 22 24.0  
 23 22.8  
 24 21.7  
 25 20.5  
 26 19.3  
 27 18.1  
 28 16.9  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.1  
 34 9.9  
 35 9.4

45.0



143.0

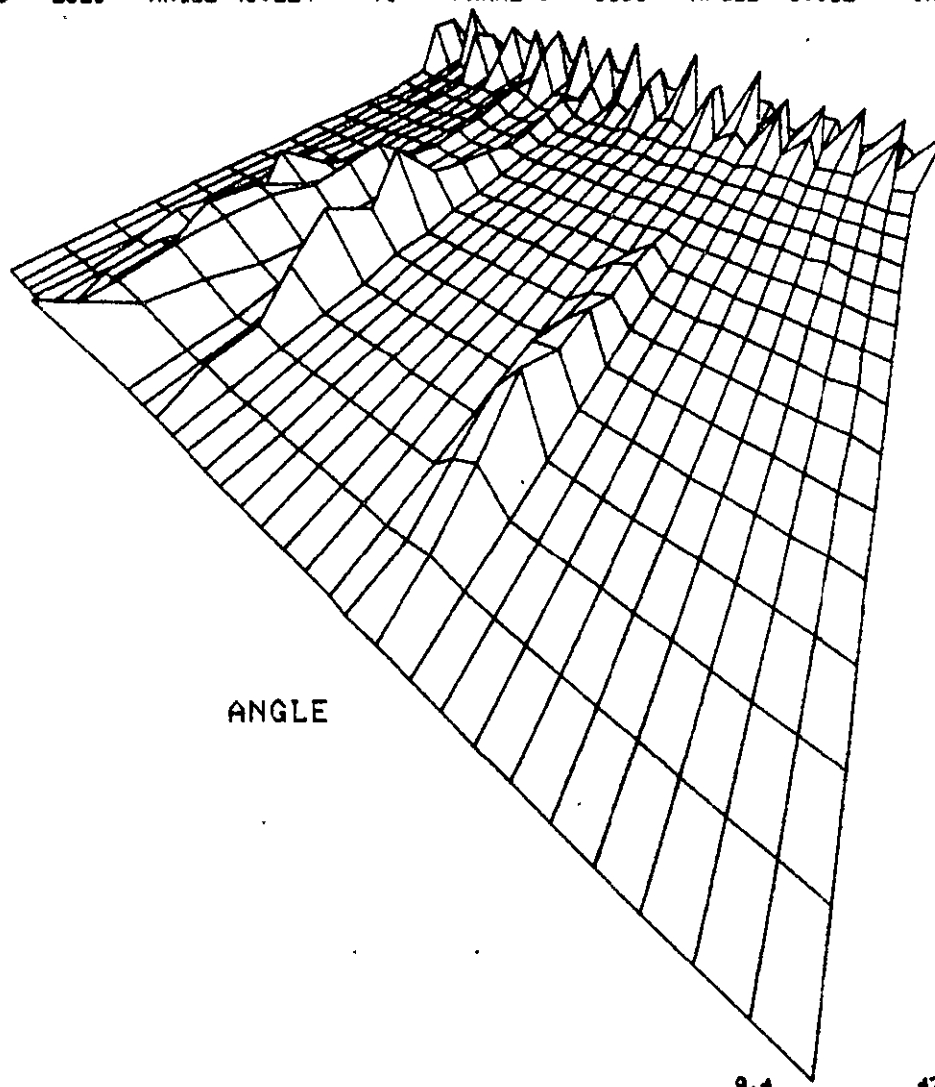
R  
 1 143.0  
 2 162.7  
 3 182.3  
 4 202.0  
 5 221.6  
 6 241.3  
 7 260.9  
 8 280.6  
 9 300.2  
 10 319.9  
 11 339.5  
 12 359.2  
 13 378.9  
 14 398.5  
 15 418.2  
 16 437.8  
 17 477.1

U \* Imax, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 8 SCAN # 2 FRAME # 2525 ANGLE 45.224 TO FRAME # 3156 ANGLE 8.912 CRITICAL ANP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 45.0  
 2 45.0  
 3 44.7  
 4 44.1  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.0  
 10 37.9  
 11 36.8  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.5  
 20 26.4  
 21 25.2  
 22 24.0  
 23 22.8  
 24 21.7  
 25 20.5  
 26 19.3  
 27 18.1  
 28 16.9  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.1  
 34 9.9  
 35 9.4

45.0



143.0

R  
 1 143.0  
 2 162.7  
 3 182.3  
 4 202.0  
 5 221.6  
 6 241.3  
 7 260.9  
 8 280.6  
 9 300.2  
 10 319.9  
 11 339.5  
 12 359.2  
 13 378.9  
 14 398.5  
 15 418.2  
 16 437.8  
 17 477.1

R

9.4

477.1

U \* Imax, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 3 FRAME # 3156 ANGLE 5.912 TO FRAME # 3763 ANGLE 45.254 OPTICAL AMP AT CELL 62

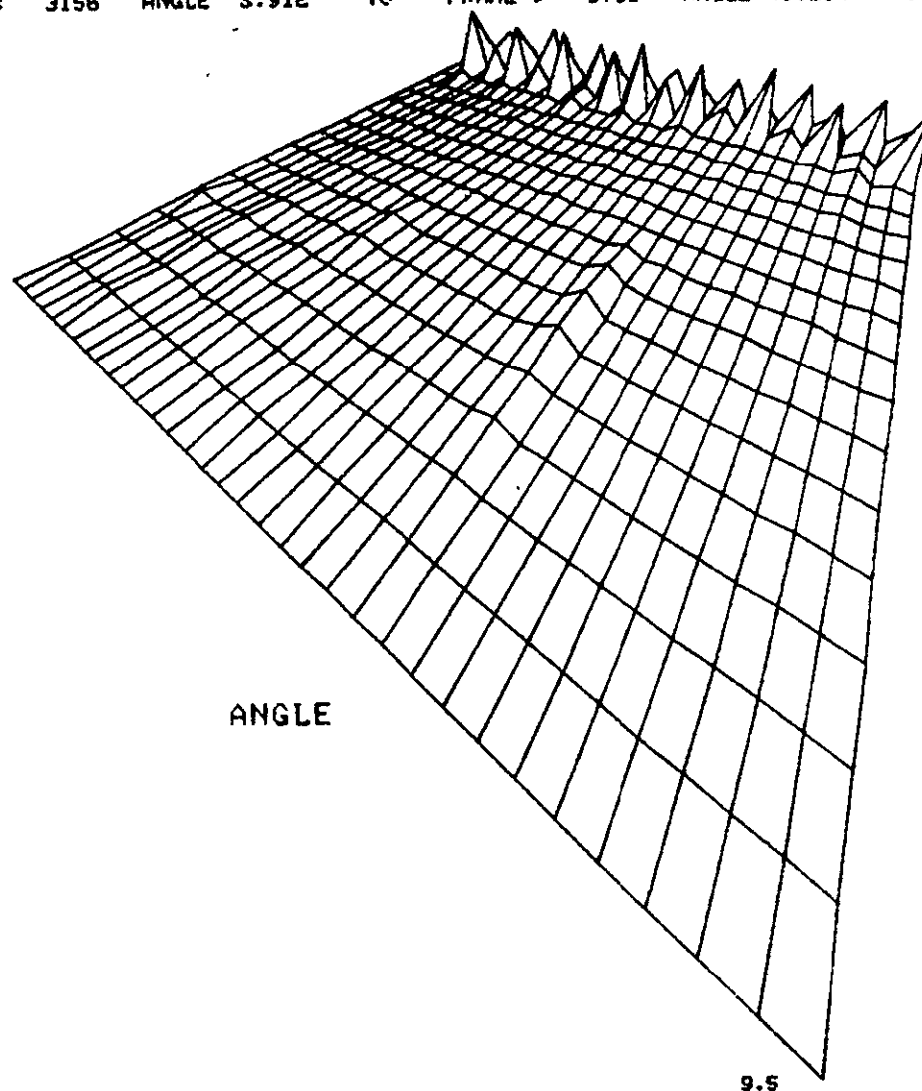
OPTION # 11-1

MAXIMUM I = 39.0

AVERAGE I = 2.2

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.5  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.4  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.5  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.6  
 33 44.5  
 34 45.1

45.1



157.0

R

R  
 1 157.0  
 2 176.2  
 3 195.4  
 4 214.7  
 5 233.9  
 6 253.1  
 7 272.4  
 8 291.6  
 9 310.8  
 10 330.1  
 11 349.3  
 12 368.5  
 13 387.7  
 14 407.0  
 15 426.2  
 16 445.4  
 17 483.9

9.5

483.9

IMAX, R, A DISPLAY



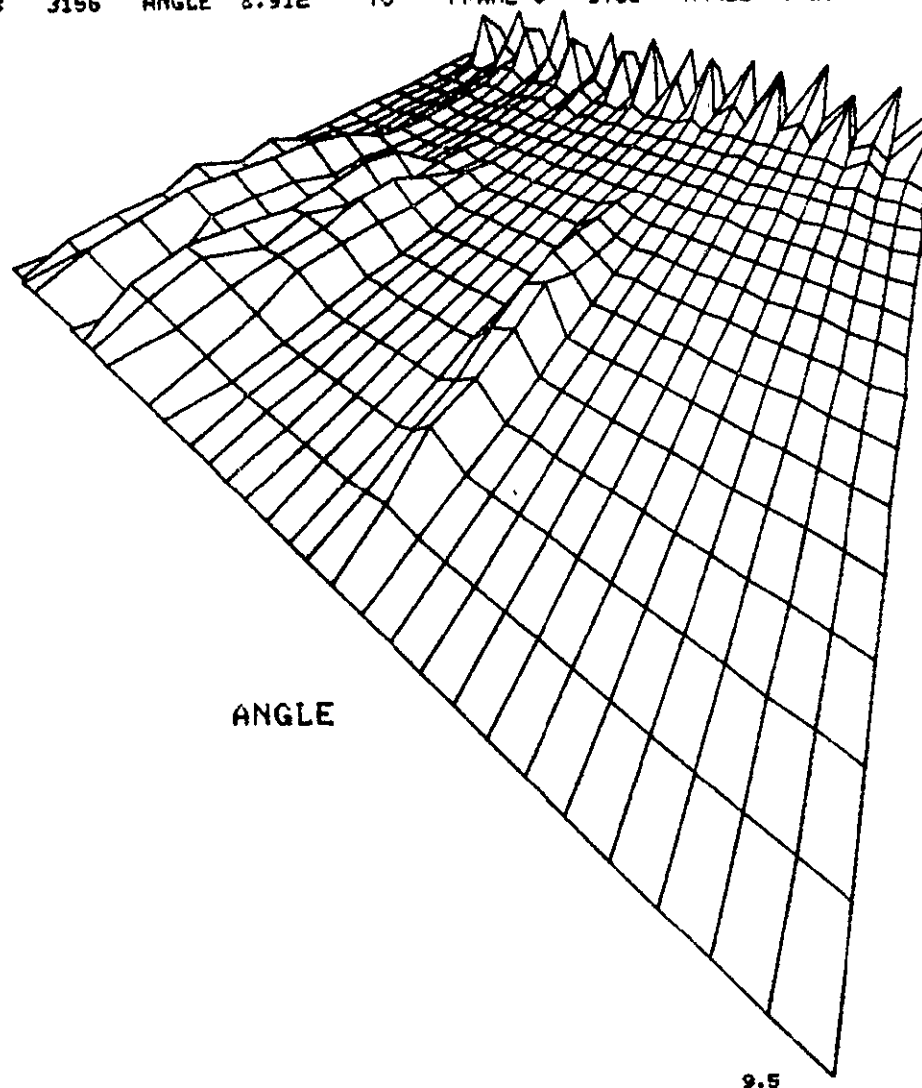
NASA PROJECT DUST-DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 3 FRAME # 3156 ANGLE 8.912 TO FRAME # 3763 ANGLE 45.254 CRITICAL AMP AT CELL 62

OPTION # 11-2

MAXIMUM I = 63.0  
 AVERAGE I = 8.0

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.5  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.4  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.5  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.6  
 33 44.5  
 34 45.1

45.1



157.0

R  
 1 157.0  
 2 176.2  
 3 195.4  
 4 214.7  
 5 233.9  
 6 253.1  
 7 272.4  
 8 291.6  
 9 310.8  
 10 330.1  
 11 349.3  
 12 368.5  
 13 387.7  
 14 407.0  
 15 426.2  
 16 445.4  
 17 483.9

R

9.5

483.9

Imax, R, A DISPLAY

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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 3 FRAME # 3156 ANGLE 8.912 TO FRAME # 3763 ANGLE 45.254 CRITICAL AMP AT CELL 62

OPTION # 12-1

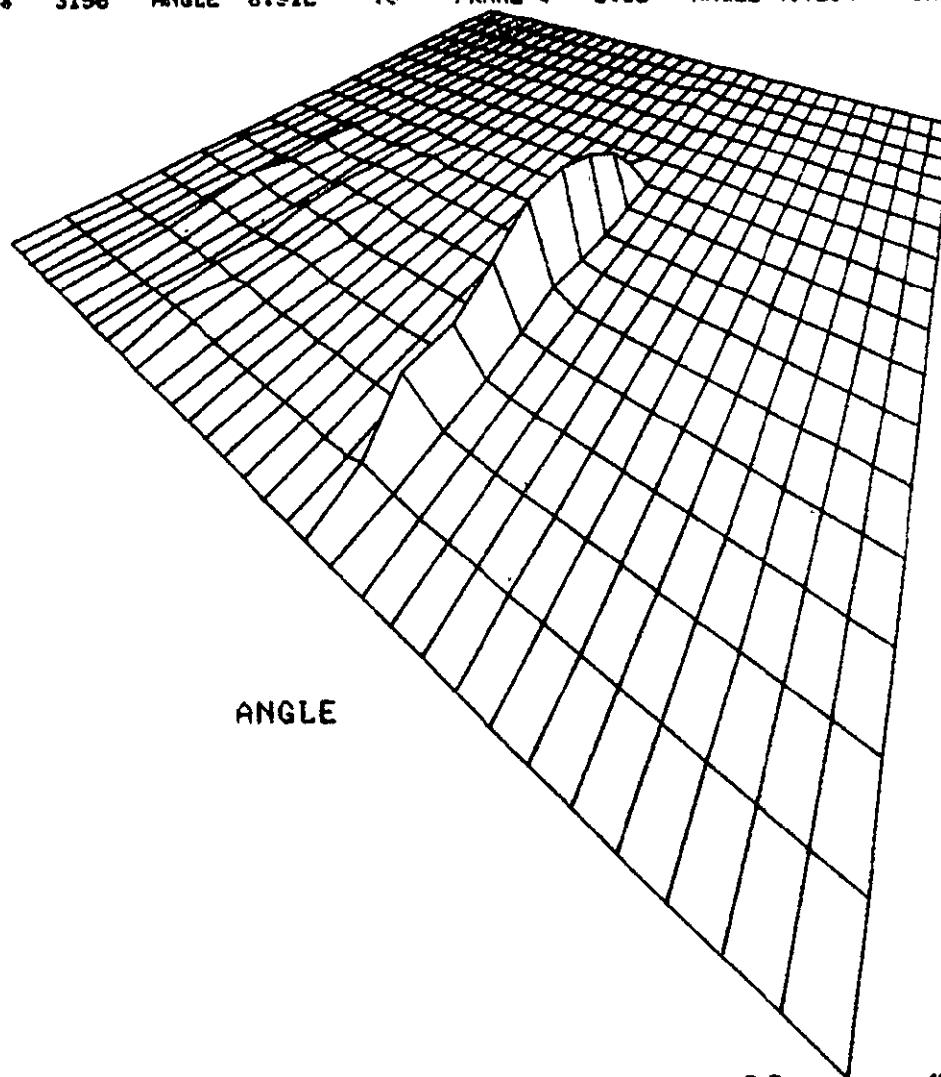
MAXIMUM I = 20.0

AVERAGE I = 0.3

# ANGLE

1	9.5
2	9.8
3	10.4
4	11.2
5	12.2
6	13.3
7	14.5
8	15.6
9	16.8
10	18.0
11	19.1
12	20.2
13	21.4
14	22.5
15	23.7
16	24.9
17	26.0
18	27.3
19	28.5
20	29.6
21	30.8
22	31.9
23	33.1
24	34.3
25	35.4
26	36.5
27	37.7
28	38.9
29	40.0
30	41.2
31	42.3
32	43.6
33	44.5
34	45.1

45.1



ANGLE

9.5

483.9

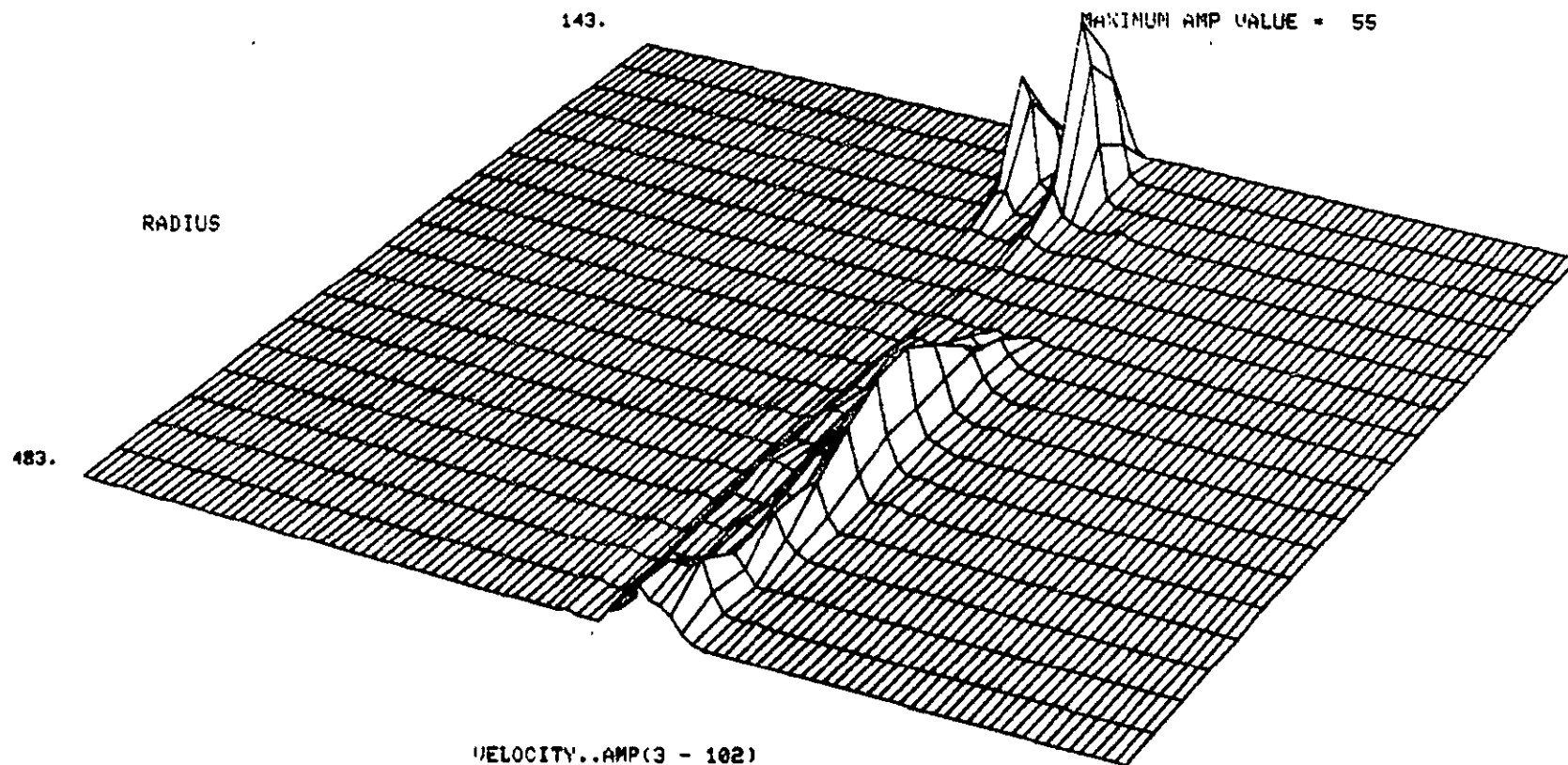
157.0

	R
1	157.0
2	176.2
3	195.4
4	214.7
5	233.9
6	253.1
7	272.4
8	291.6
9	310.8
10	330.1
11	349.3
12	368.5
13	387.7
14	407.0
15	426.2
16	445.4
17	483.9

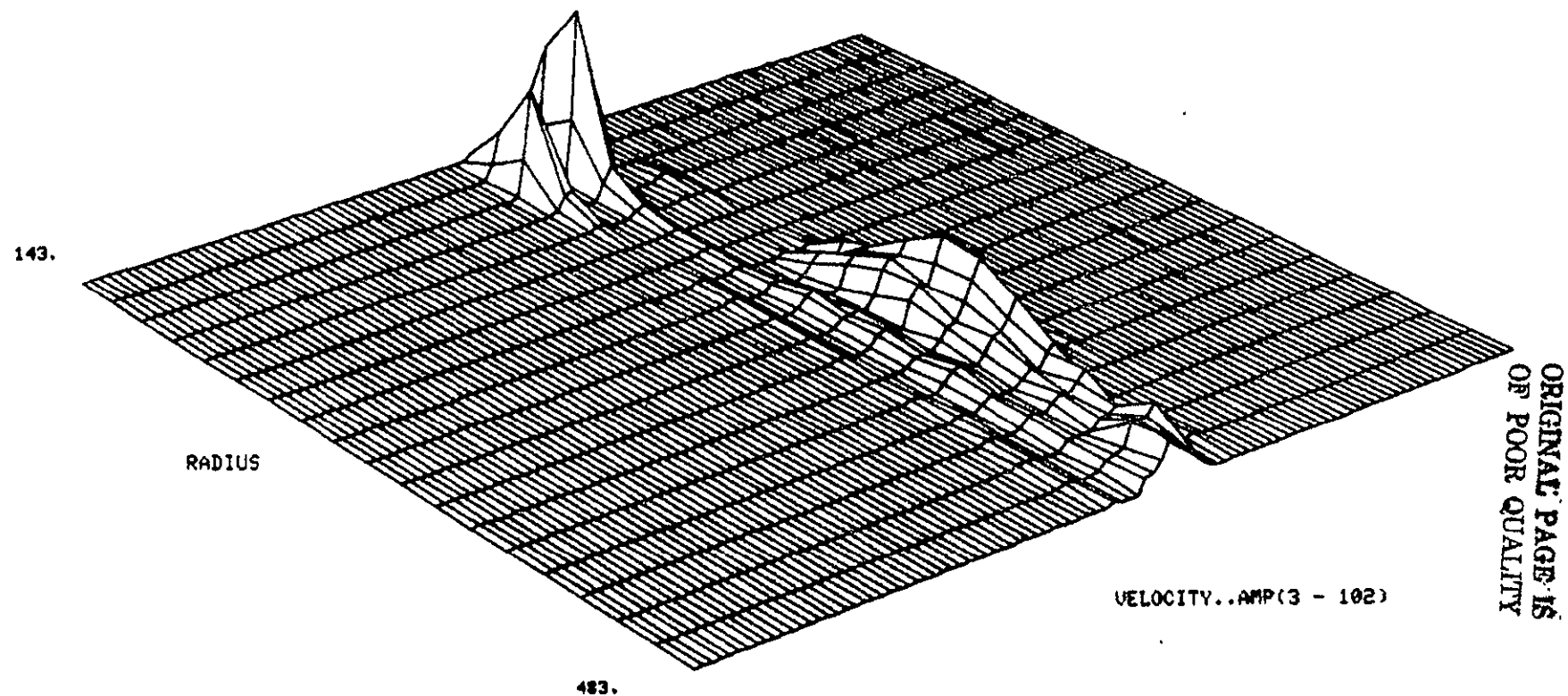
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I, R, A DISPLAY AT VELOCITY CELL 62

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 3 FRAME # 3156 ANGLE 8.912 TO FRAME # 3763 ANGLE 45.254 CRITICAL AMP AT CELL 62  
 FRAME # 3392 TO 3411  
 ANGLE = 22.57  
 MAXIMUM AMP VALUE = 55



\* NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 3 FRAME # 3156 ANGLE 8.912 TO FRAME # 3763 ANGLE 45.254 CRITICAL AMP AT CELL 62  
 FRAME # 3392 TO 3411  
 ANGLE = 22.57  
 MAXIMUM AMP VALUE = 55



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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 3 FRAME # 3156 ANGLE 8.912 TO FRAME # 3763 ANGLE 45.254 CRITICAL AMP AT CELL 62

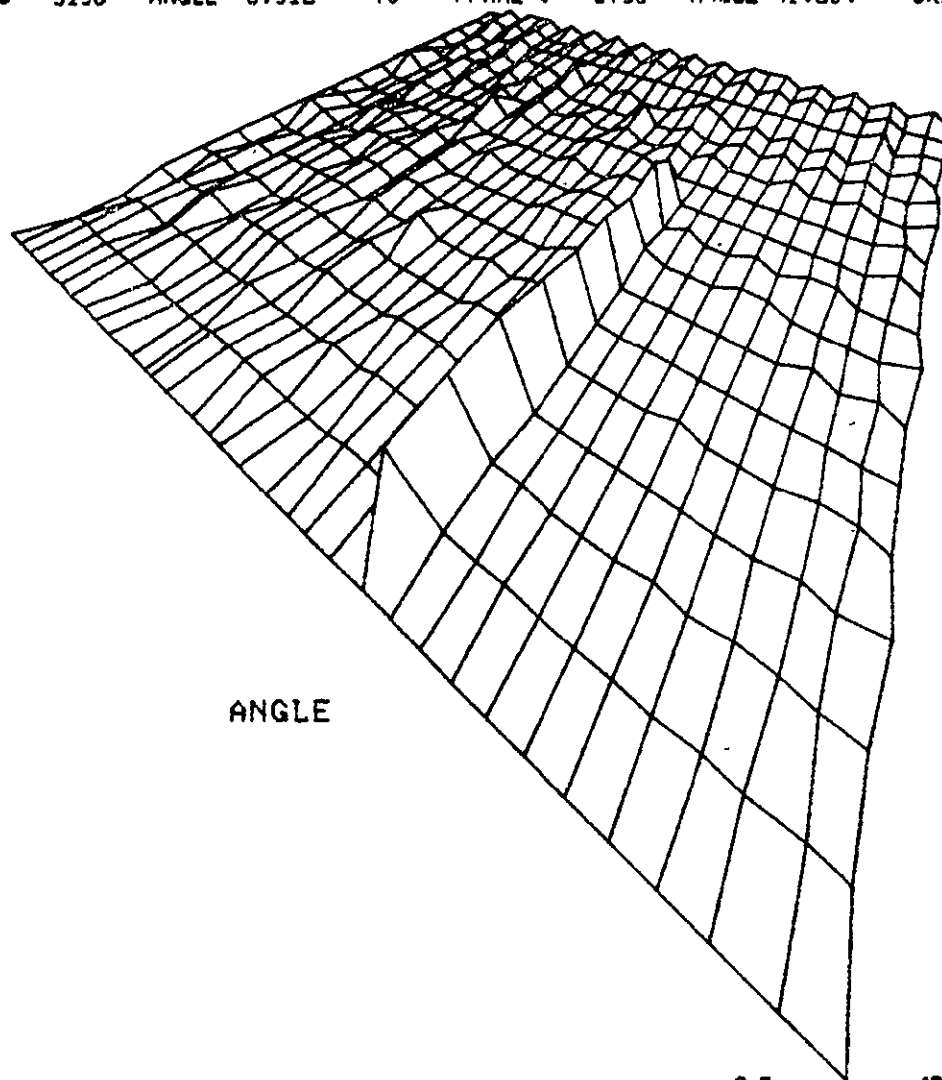
OPTION # 21-1

MAXIMUM U = 9.0

AVERAGE U = 1.7

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.5  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.4  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.5  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.6  
 33 44.5  
 34 45.1

45.1



157.0

R  
 1 157.0  
 2 176.2  
 3 195.4  
 4 214.7  
 5 233.9  
 6 253.1  
 7 272.4  
 8 291.6  
 9 310.8  
 10 330.1  
 11 349.3  
 12 368.5  
 13 387.7  
 14 407.0  
 15 426.2  
 16 445.4  
 17 463.9

R

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 OF POOR QUALITY

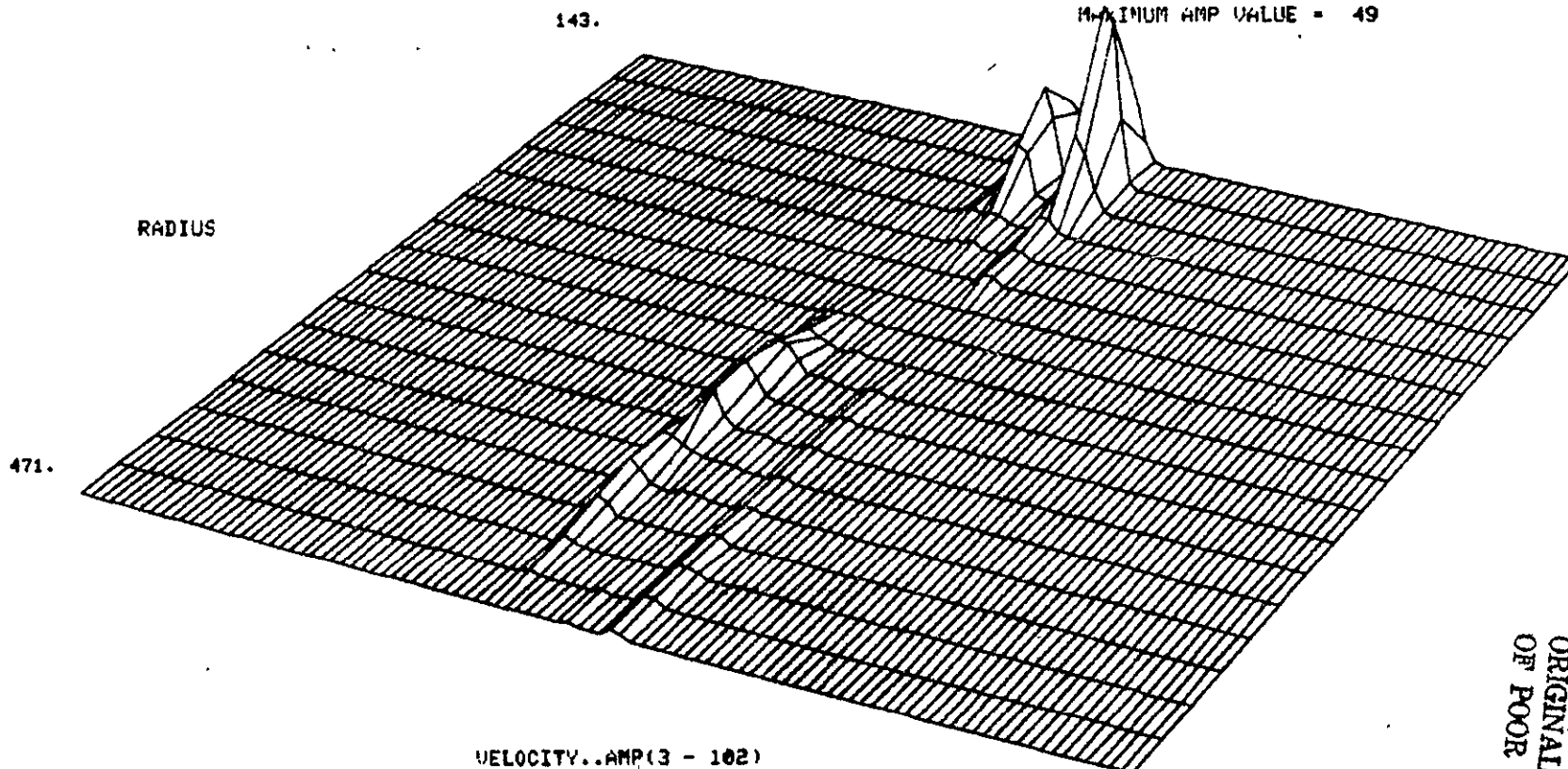
ANGLE

9.5

463.9

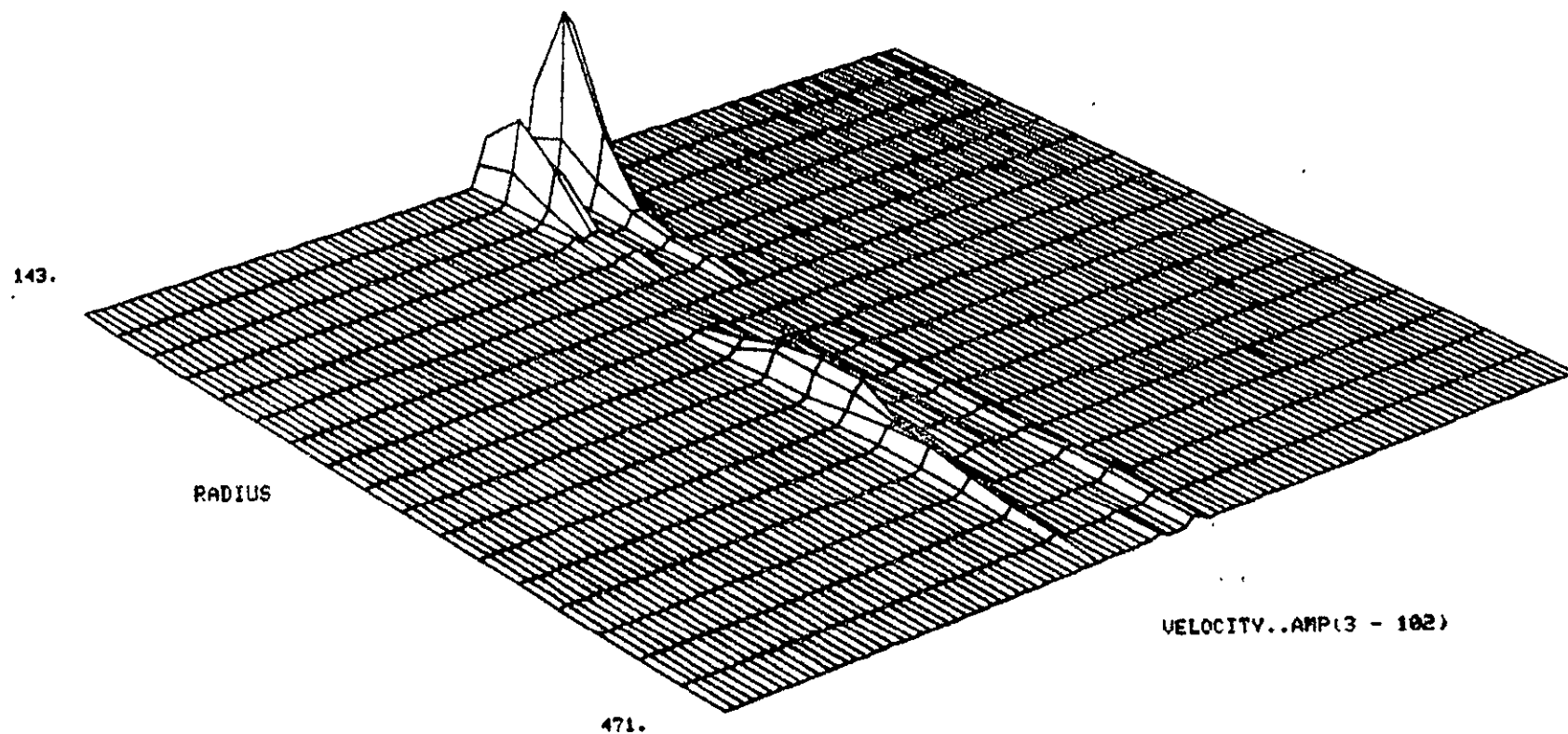
U, R, A DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 3 FRAME # 3156 ANGLE 8.912 TO FRAME # 3763 ANGLE 45.254 CRITICAL AMP AT CELL 62  
 FRAME # 3356 TO 3374  
 ANGLE = 20.27  
 MAXIMUM AMP VALUE = 49



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\* NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 3 FRAME # 3156 ANGLE 8.912 TO FRAME # 3763 ANGLE 45.254 CRITICAL AMP AT CELL 62  
 FRAME # 3356 TO 3374  
 ANGLE = 20.27  
 MAXIMUM AMP VALUE = .49



ORIGINAL  
 OF POOR QUALITY

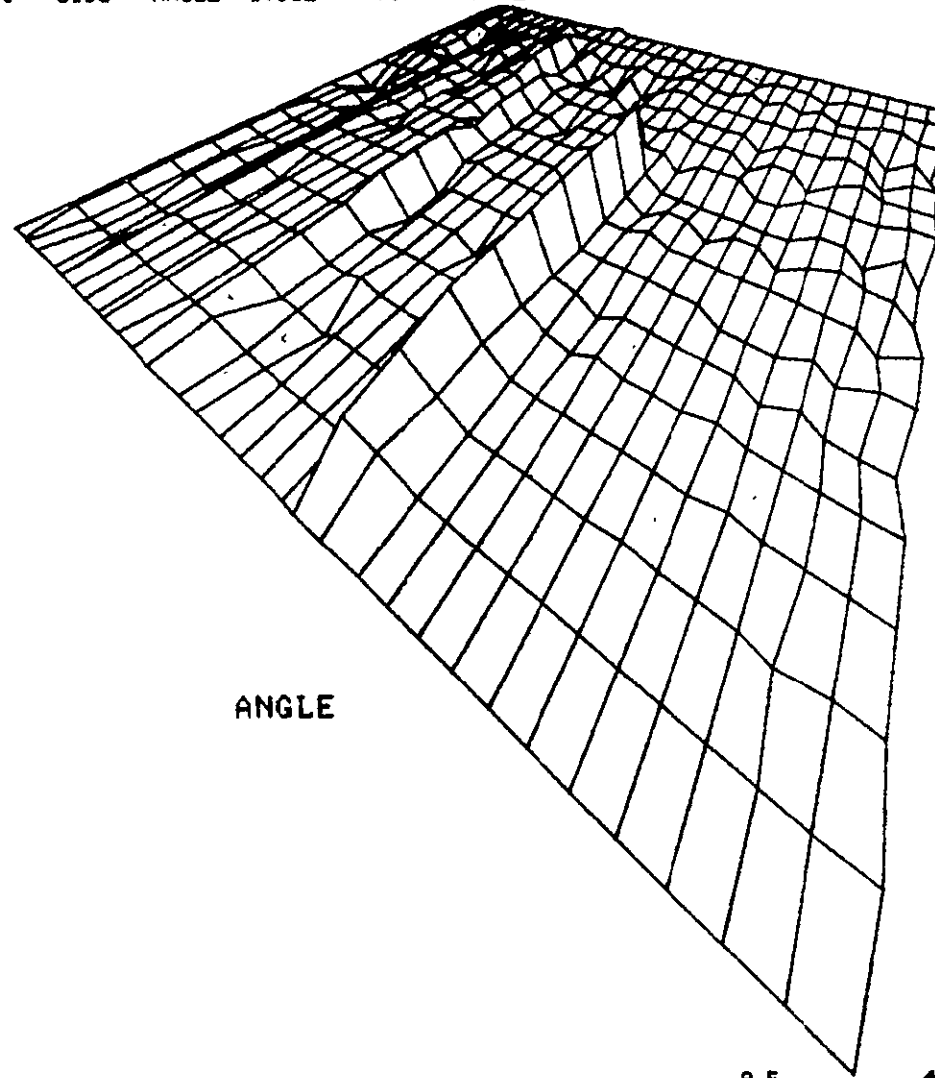
NASA PROJECT DUST DEVIL DAY 228 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 3 FRAME # 3156 ANGLE 8.912 TO FRAME # 3763 ANGLE 45.254 CRITICAL AMP AT CELL 62

OPTION # 21-2

MAXIMUM U = 12.0  
 AVERAGE U = 3.5

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.5  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.4  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.5  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.6  
 33 44.5  
 34 45.1

45.1



9.5

483.9

157.0

R  
 1 157.0  
 2 176.2  
 3 195.4  
 4 214.7  
 5 233.9  
 6 253.1  
 7 272.4  
 8 291.6  
 9 310.8  
 10 330.1  
 11 349.3  
 12 368.5  
 13 387.7  
 14 407.0  
 15 426.2  
 16 445.4  
 17 483.9

U, R, A DISPLAY (VELOCITY AT Imax)



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 3 FRAME # 3156 ANGLE 8.912 TO FRAME # 3763 ANGLE 45.254 CRITICAL AMP AT CELL 62

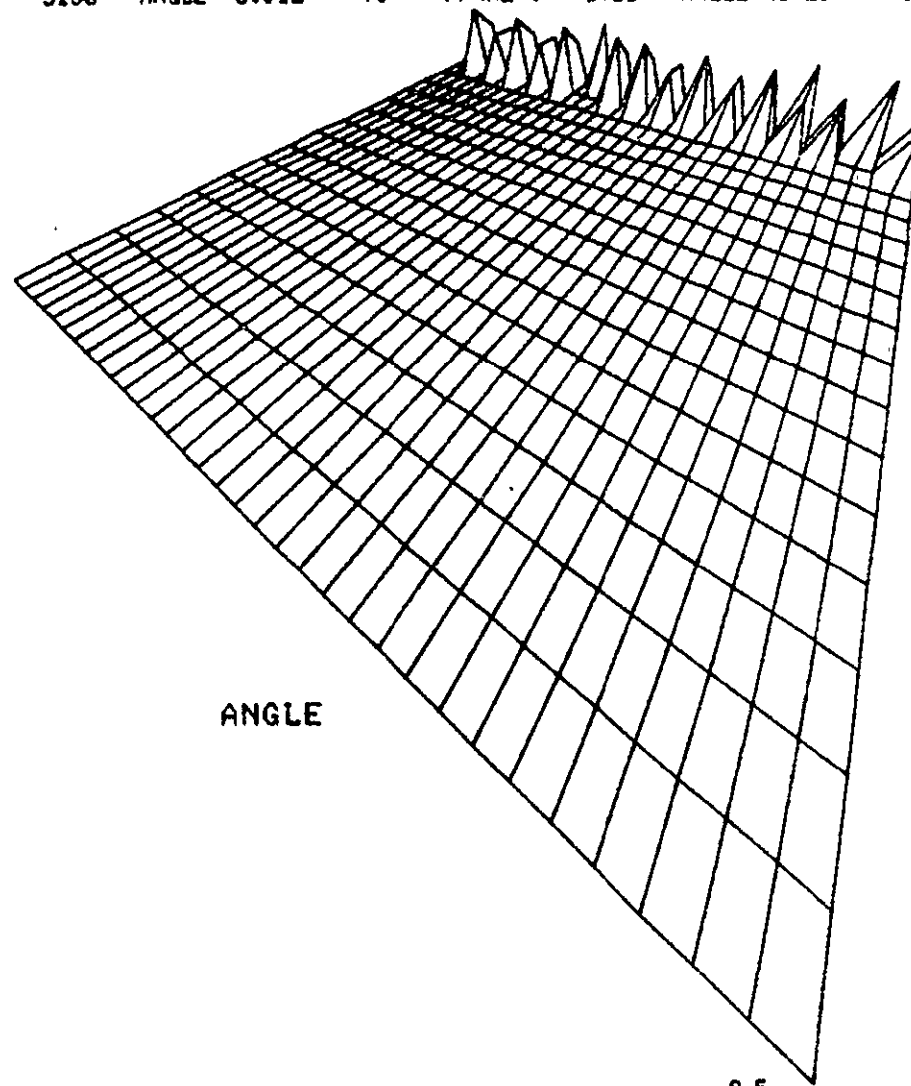
OPTION # 22-1

MAXIMUM U = 4.0

AVERAGE U = 1.1

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.5  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.4  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.5  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.6  
 33 44.5  
 34 45.1

45.1



157.0

R

R  
 1 157.0  
 2 176.2  
 3 195.4  
 4 214.7  
 5 233.9  
 6 253.1  
 7 272.4  
 8 291.6  
 9 310.8  
 10 330.1  
 11 349.3  
 12 368.5  
 13 387.7  
 14 407.0  
 15 426.2  
 16 445.4  
 17 483.9

9.5

483.9

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 3 FRAME # 3156 ANGLE 8.912 TO FRAME # 3763 ANGLE 45.254 CRITICAL AMP AT CELL 62

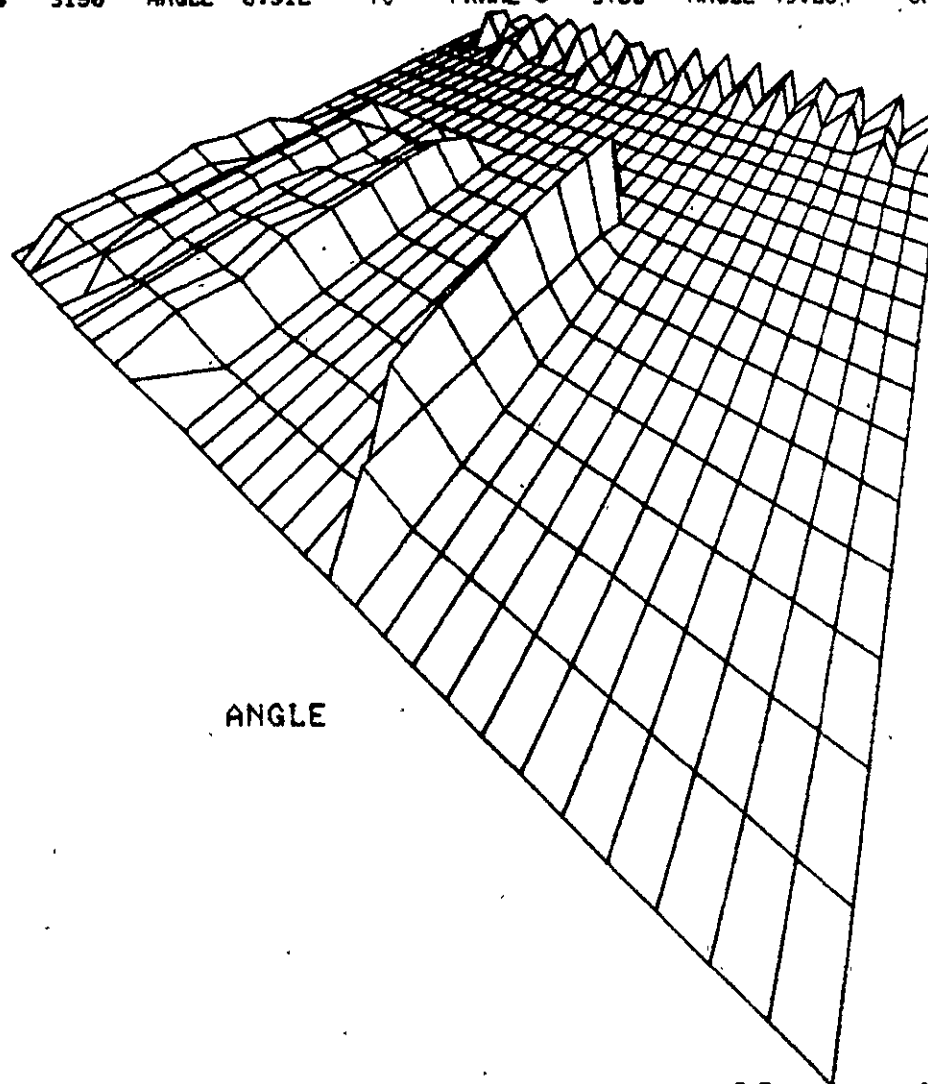
OPTION # 22-2

MAXIMUM U = 12.0

AVERAGE U = 2.0

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.5  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.4  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.5  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.6  
 33 44.5  
 34 45.1

45.1



157.0

R  
 1 157.0  
 2 176.2  
 3 195.4  
 4 214.7  
 5 233.9  
 6 253.1  
 7 272.4  
 8 291.6  
 9 310.8  
 10 330.1  
 11 349.3  
 12 368.5  
 13 387.7  
 14 407.0  
 15 426.2  
 16 445.4  
 17 463.9

R

ANGLE

9.5

483.9

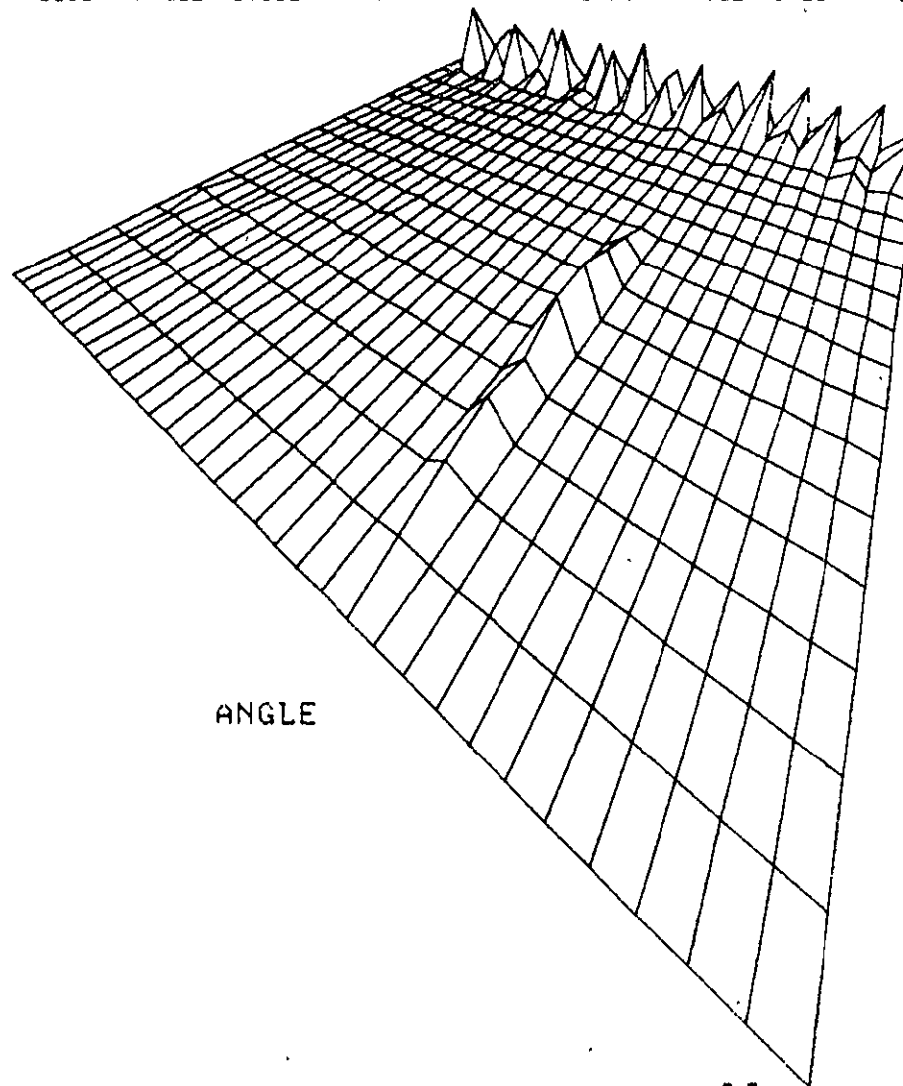
Umax, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 3 FRAME # 3156 ANGLE 8.912 TO FRAME # 3763 ANGLE 45.254 CRITICAL WMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.5  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.4  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.5  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.6  
 33 44.5  
 34 45.1

45.1



9.5

483.9

157.0

R

P  
 1 157.0  
 2 176.2  
 3 195.4  
 4 214.7  
 5 233.9  
 6 253.1  
 7 272.4  
 8 291.6  
 9 310.8  
 10 330.1  
 11 349.3  
 12 368.5  
 13 387.7  
 14 407.0  
 15 426.2  
 16 445.4  
 17 463.9

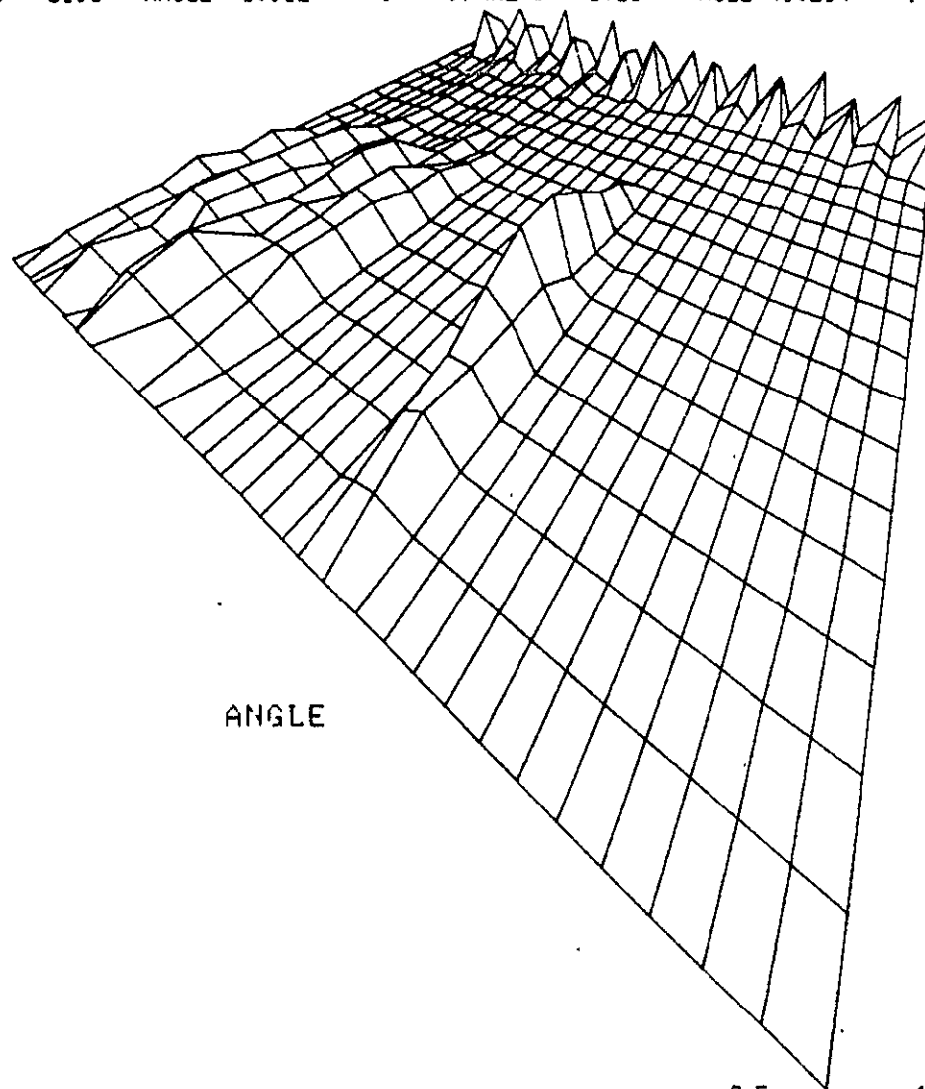
U \* I\_max, R, A DISPLAY

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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 208 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 3 FRAME # 3156 ANGLE 3.912 TO FRAME # 3763 ANGLE 45.254 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.2  
 6 13.3  
 7 14.5  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.1  
 12 20.2  
 13 21.4  
 14 22.5  
 15 23.7  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 31.9  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.5  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.3  
 32 43.6  
 33 44.5  
 34 45.1

45.1



157.0

R  
 1 157.0  
 2 176.2  
 3 195.4  
 4 214.7  
 5 233.9  
 6 253.1  
 7 272.4  
 8 291.6  
 9 310.8  
 10 330.1  
 11 349.3  
 12 368.5  
 13 387.7  
 14 407.0  
 15 426.2  
 16 445.4  
 17 463.9

R

9.5

483.9

U \* IMAX, R, H DISPLAY

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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 8.950 CRITICAL AMP AT CELL 62

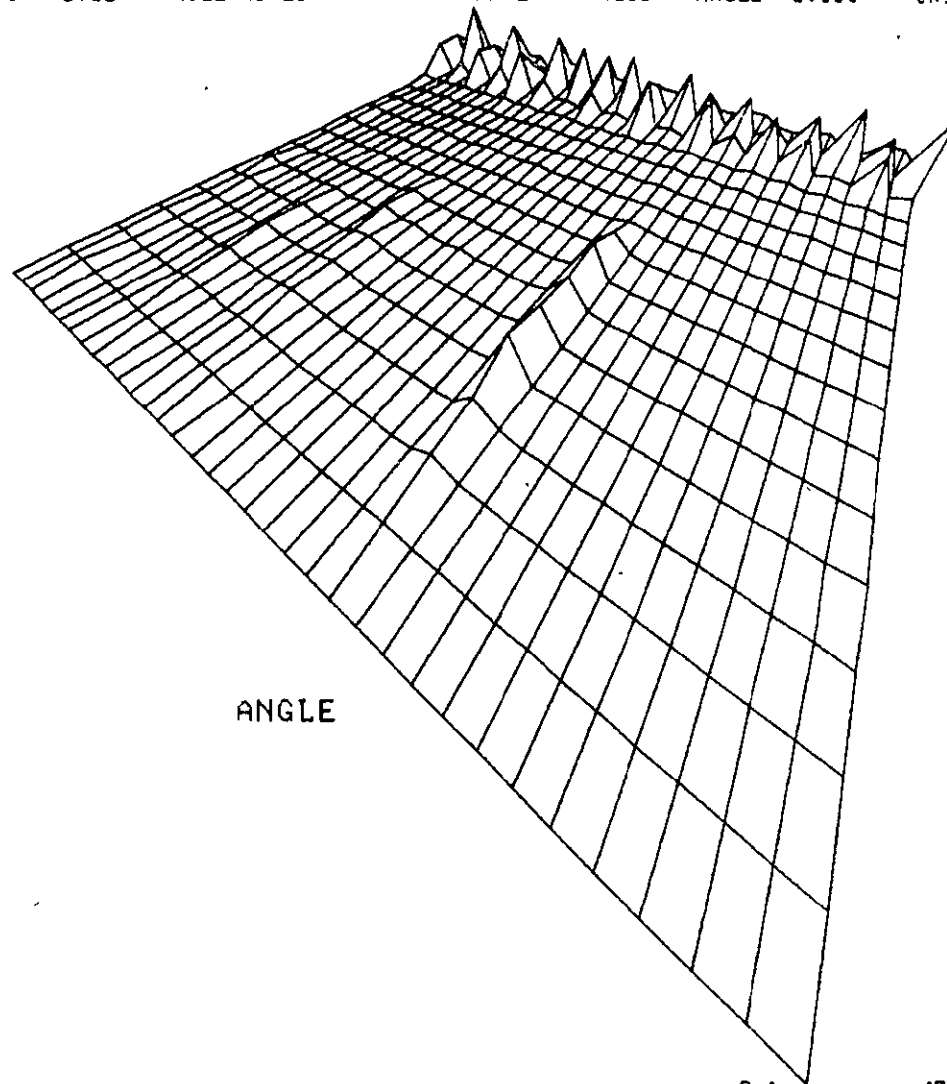
OPTION # 11-1.

MAXIMUM I = 41.0

AVERAGE I = 2.3

ANGLE  
 1 45.0  
 2 44.9  
 3 44.7  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.1  
 10 37.9  
 11 36.7  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.2  
 22 23.9  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.4  
 27 18.1  
 28 17.0  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

45.0



ANGLE

9.4

143.2

R

478.4

R  
 1 143.2  
 2 162.9  
 3 182.6  
 4 202.3  
 5 222.1  
 6 241.8  
 7 261.5  
 8 281.2  
 9 300.9  
 10 320.7  
 11 340.4  
 12 360.1  
 13 379.2  
 14 399.5  
 15 419.2  
 16 439.0  
 17 458.4

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I MAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 3110  
 \* SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 9.350 CRITICAL AMP AT CELL 62

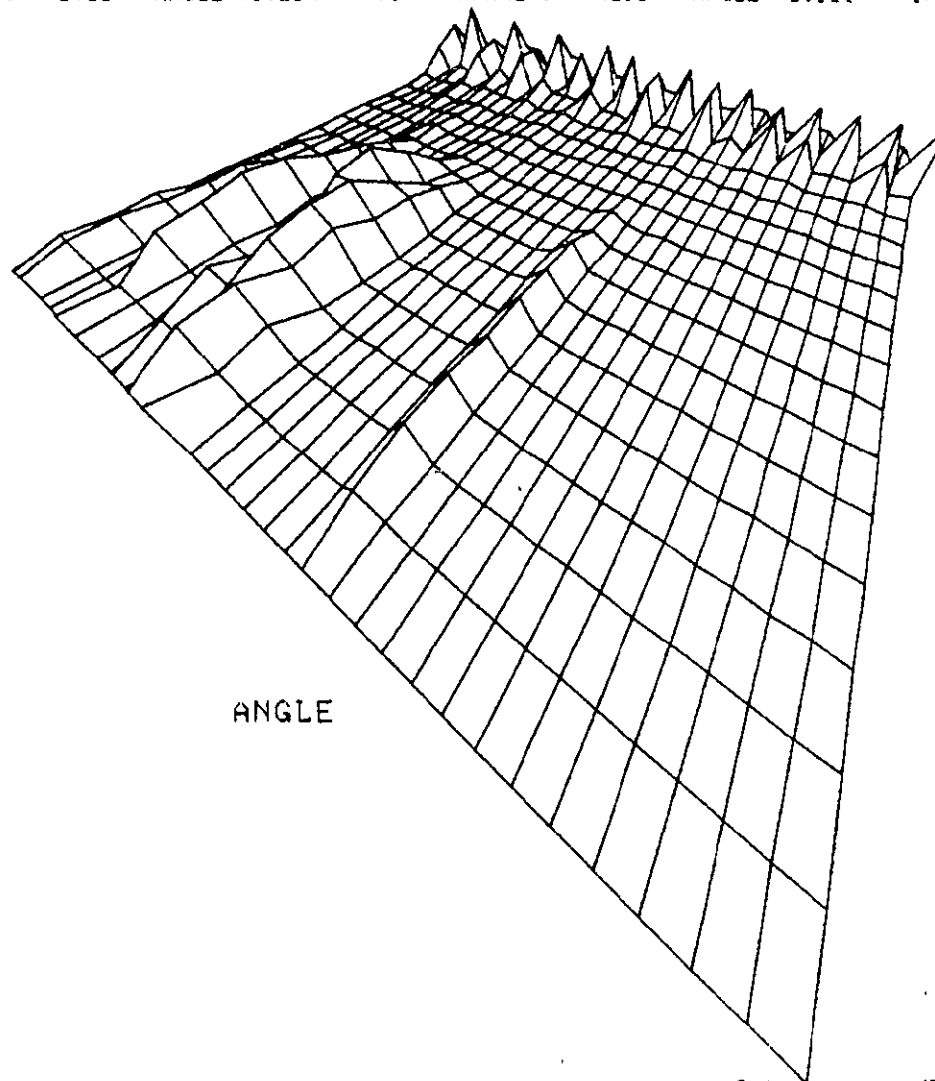
OPTION # 11-2

MAXIMUM I = 65.0

AVERAGE I = 7.7

ANGLE  
 1 45.0  
 2 44.9  
 3 44.7  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.1  
 10 37.9  
 11 36.7  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.2  
 22 23.9  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.4  
 27 18.1  
 28 17.0  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

45.0



143.2

R  
 1 143.2  
 2 162.9  
 3 182.6  
 4 202.3  
 5 222.1  
 6 241.3  
 7 261.5  
 8 281.2  
 9 300.9  
 10 320.7  
 11 340.4  
 12 360.1  
 13 379.8  
 14 399.5  
 15 419.2  
 16 439.0  
 17 458.4

R

ANGLE

9.4

478.4

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 228 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 8.950 OPTICAL AMP AT CELL 62

OPTION # 12-1

MAXIMUM I = 14.0

AVERAGE I = 0.2

ANGLE  
 1 45.0  
 2 44.9  
 3 44.7  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.1  
 10 37.9  
 11 36.7  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.2  
 22 23.9  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.4  
 27 18.1  
 28 17.0  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

45.0

ANGLE

9.4

143.2

17

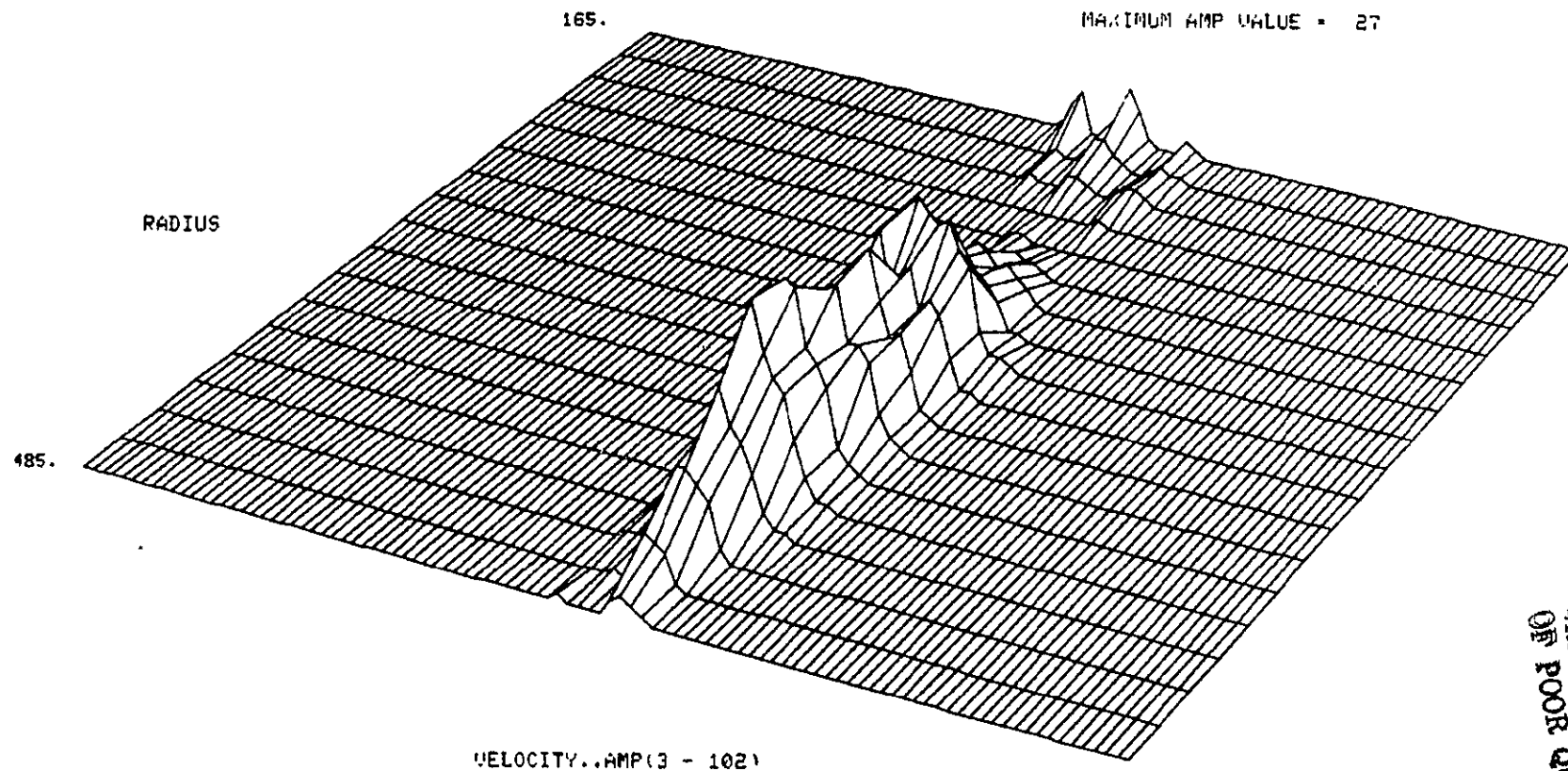
478.4

R  
 1 143.2  
 2 162.9  
 3 182.6  
 4 202.3  
 5 222.1  
 6 241.8  
 7 261.5  
 8 281.2  
 9 300.9  
 10 320.7  
 11 340.4  
 12 360.1  
 13 379.8  
 14 399.5  
 15 419.2  
 16 439.0  
 17 478.4

I, R, A DISPLAY AT VELOCITY CELL 62

8  
8

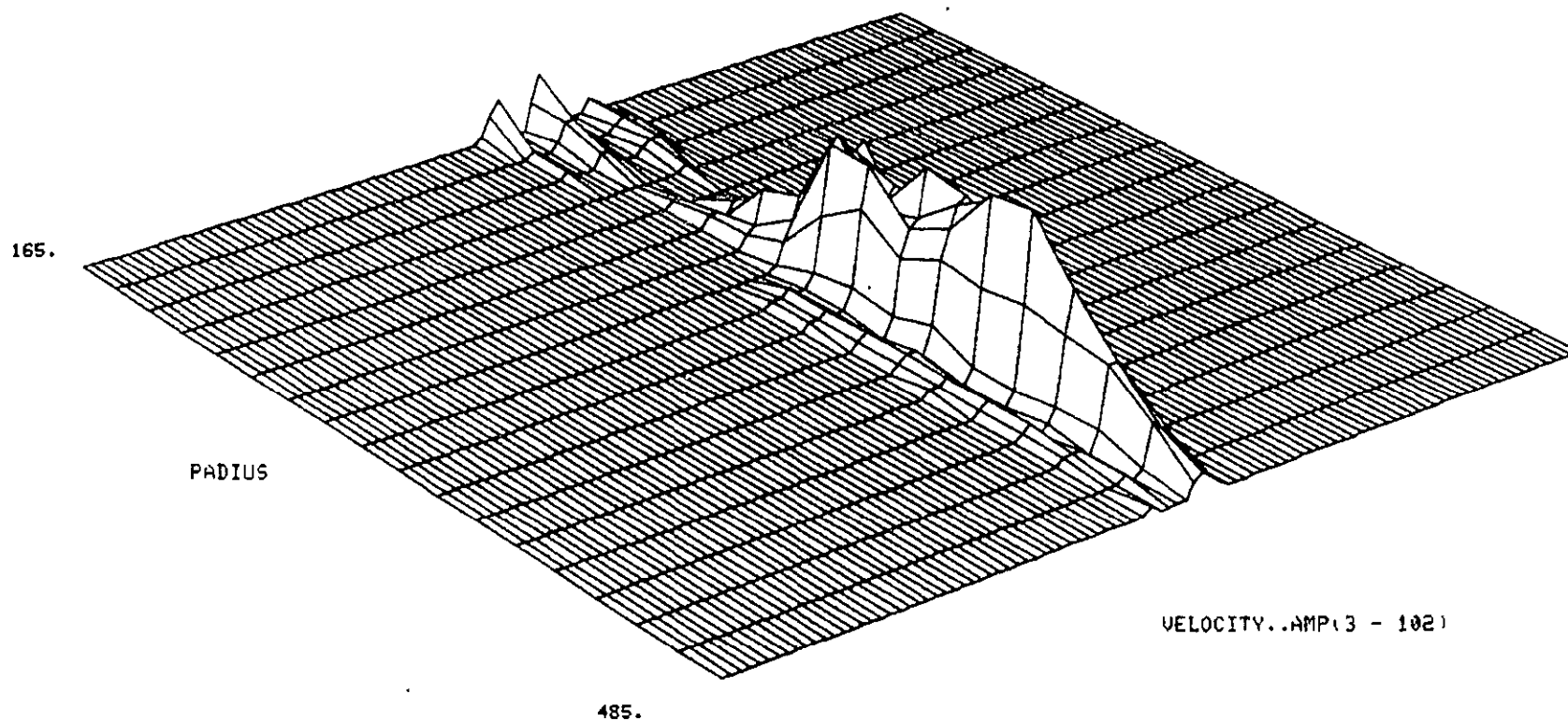
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 3- 6110  
 SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 8.950 CRITICAL AMP AT CELL 62  
 FRAME # 4140 TO 4158  
 ANGLE = 23.93  
 MAXIMUM AMP VALUE = 27



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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 8.950 CRITICAL AMP AT CELL 62  
 FRAME # 4140 TO 4158  
 ANGLE = 23.93  
 MAXIMUM AMP VALUE = 27



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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 8.950 CRITICAL WNP AT CELL 62

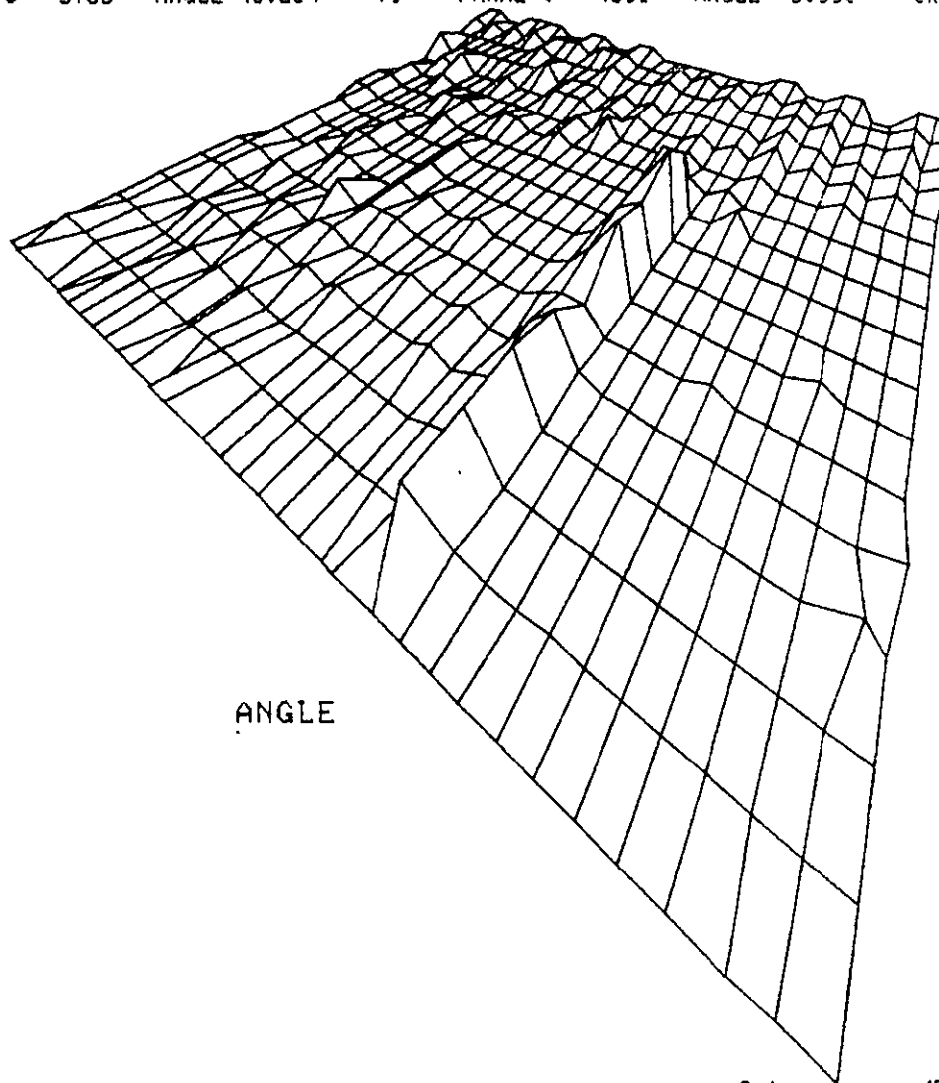
OPTION # 21-1

MAXIMUM U = 8.0

AVERAGE U = 1.6

ANGLE  
 1 45.0  
 2 44.9  
 3 44.7  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.1  
 10 37.9  
 11 36.7  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.2  
 22 23.9  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.4  
 27 18.1  
 28 17.0  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

45.0



143.2

R  
 1 143.2  
 2 162.9  
 3 182.6  
 4 202.3  
 5 222.1  
 6 241.8  
 7 261.5  
 8 281.2  
 9 300.9  
 10 320.7  
 11 340.4  
 12 360.1  
 13 379.8  
 14 399.5  
 15 419.2  
 16 439.0  
 17 478.4

R

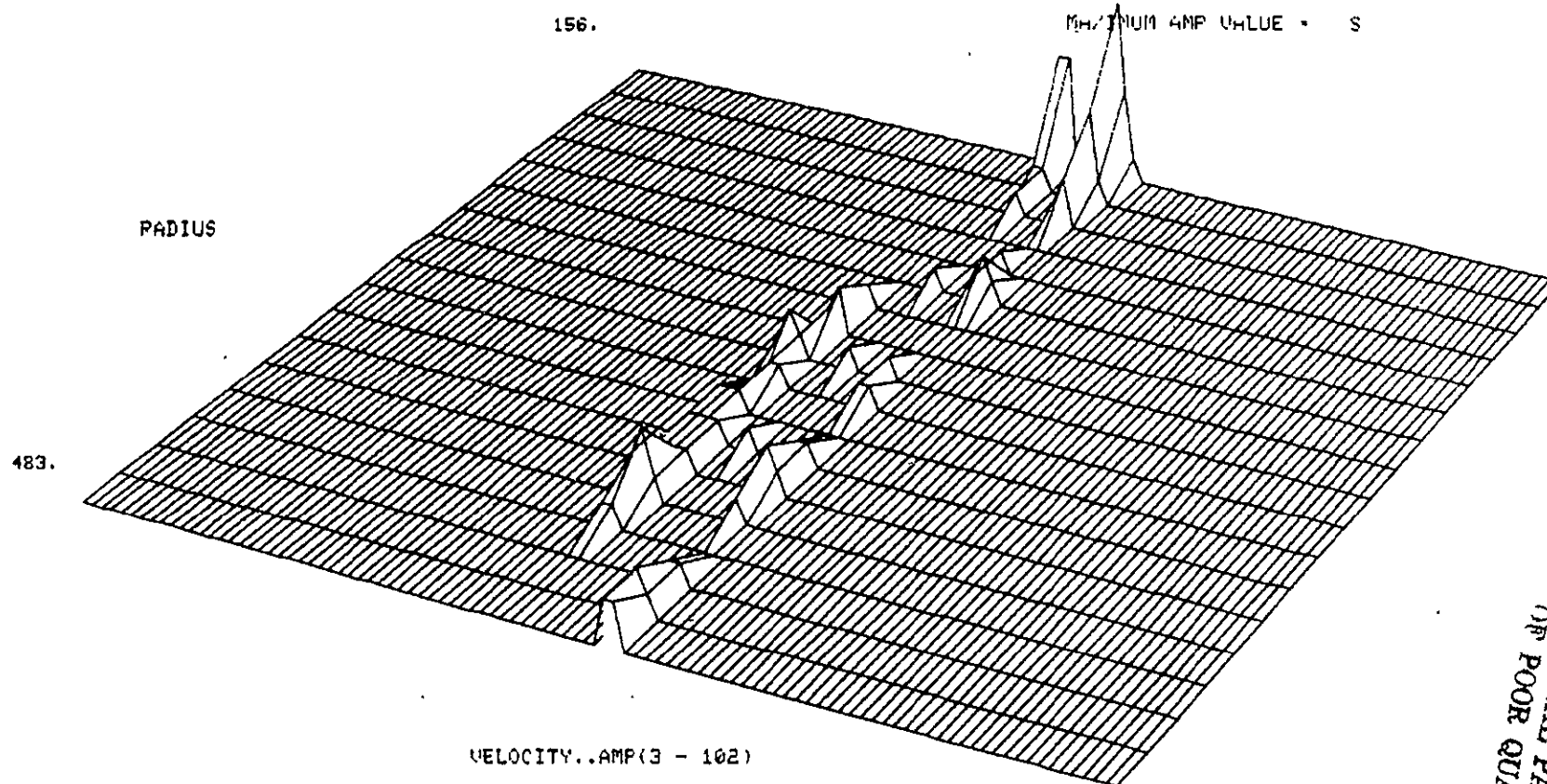
ANGLE

9.4

478.4

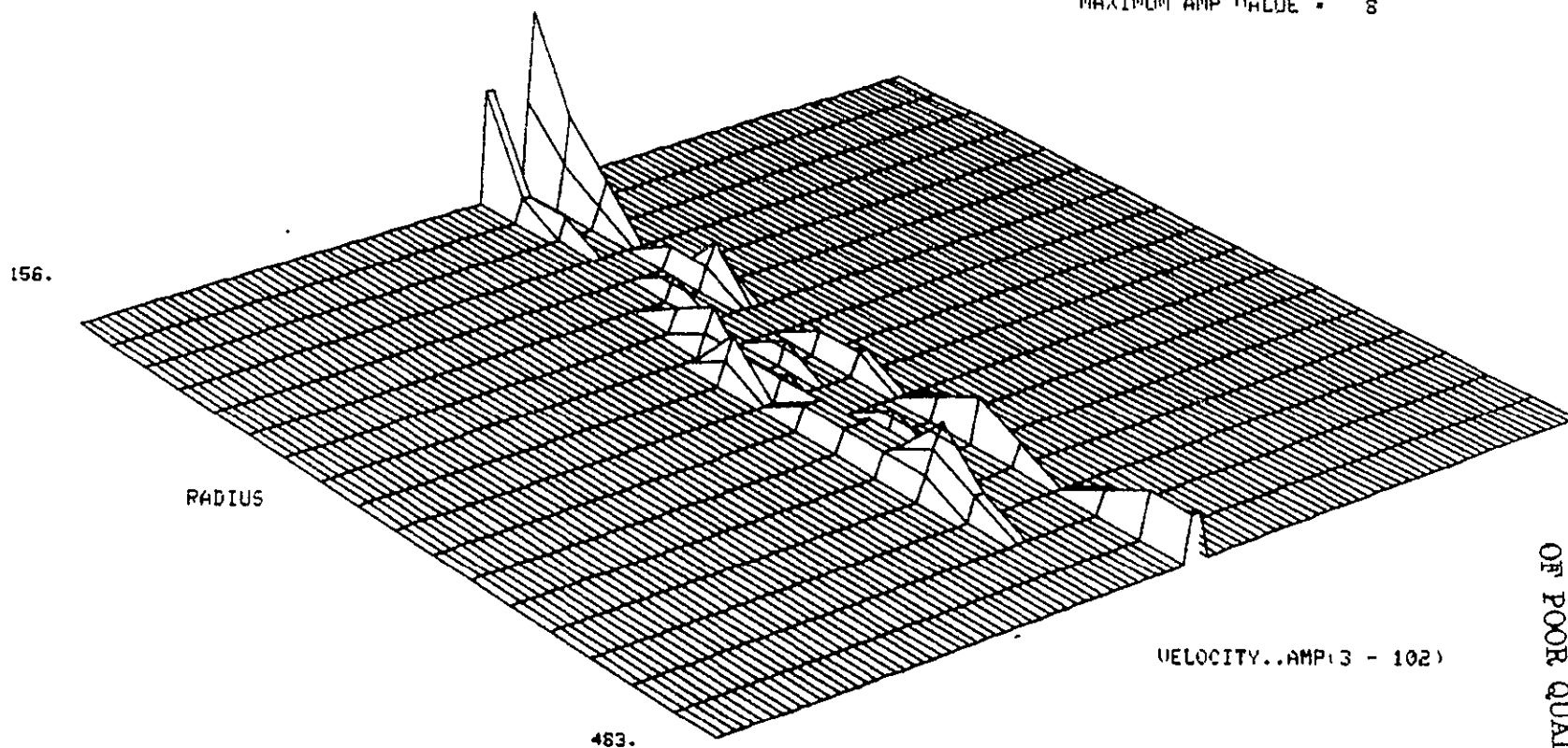
U, R, A DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 3- 8110  
 SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 8.950 CRITICAL AMP AT CELL 62  
 FRAME # 4176 TO 4194  
 ANGLE = 21.61  
 MAXIMUM AMP VALUE = 5



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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 8.950 CRITICAL AMP AT CELL 62  
 FRAME # 4176 TO 4194  
 ANGLE = 21.61  
 MAXIMUM AMP VALUE = 8



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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 3- 5110  
 \* SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 8.950 CRITICAL AMP AT CELL 62

OPTION # 21-2

MAXIMUM U = 12.0

AVERAGE U = 3.4

ANGLE  
 1 45.0  
 2 44.9  
 3 44.7  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.1  
 10 37.9  
 11 36.7  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.2  
 22 23.9  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.4  
 27 18.1  
 28 17.0  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

45.0

ANGLE

9.4

143.2

R

478.4

R  
 1 143.2  
 2 162.9  
 3 182.6  
 4 202.3  
 5 222.1  
 6 241.8  
 7 261.5  
 8 281.2  
 9 300.9  
 10 320.7  
 11 340.4  
 12 360.1  
 13 379.8  
 14 399.5  
 15 419.2  
 16 439.0  
 17 478.4

U, R, A DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 9.950 CRITICAL AMP AT CELL 62

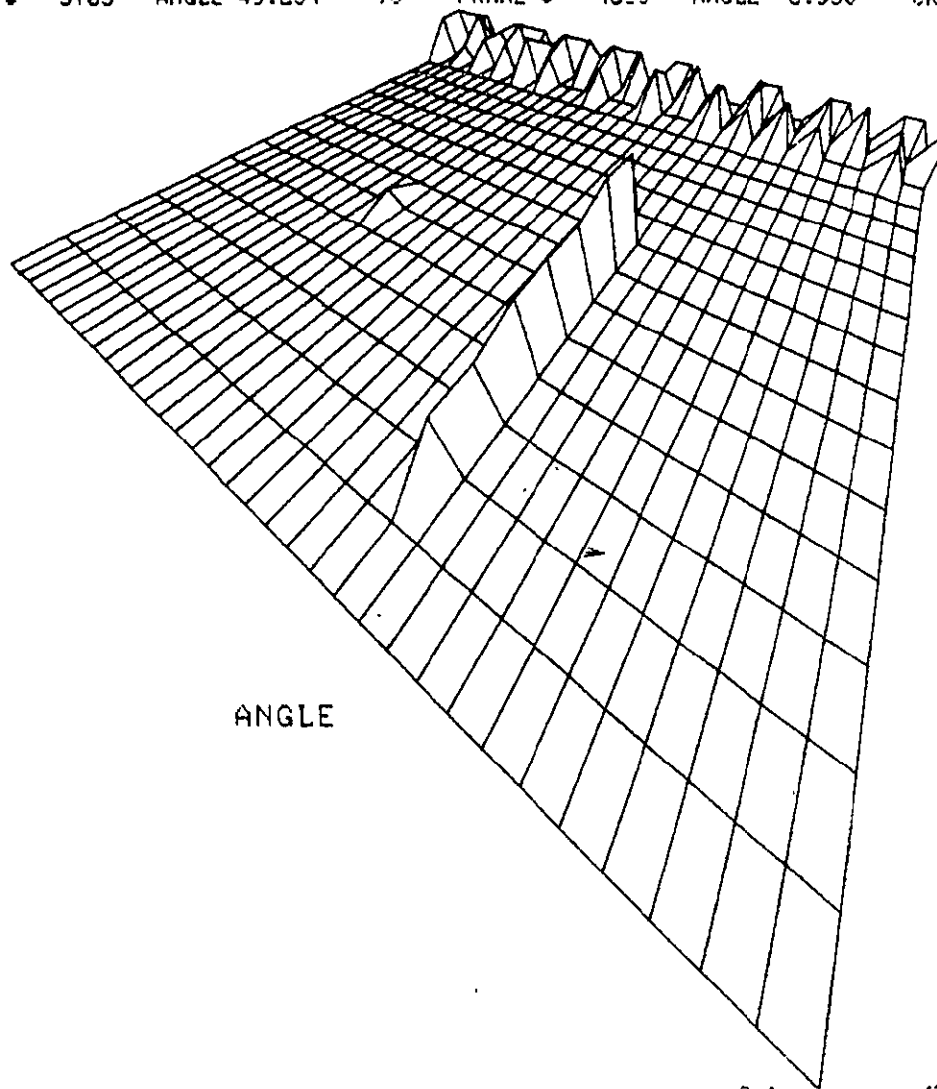
OPTION # 22-1

MAXIMUM U = 6.0

AVERAGE U = 1.3

ANGLE  
 1 45.0  
 2 44.9  
 3 44.7  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.1  
 10 37.9  
 11 36.7  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.2  
 22 23.9  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.4  
 27 18.1  
 28 17.0  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

45.0



ANGLE

9.4

143.2

R

R  
 1 143.2  
 2 162.9  
 3 182.6  
 4 202.3  
 5 222.1  
 6 241.8  
 7 261.5  
 8 281.2  
 9 300.9  
 10 320.7  
 11 340.4  
 12 360.1  
 13 379.8  
 14 399.5  
 15 419.2  
 16 439.0  
 17 478.4

478.4

UMAX, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPF 1 OF 2- 6110  
 \* SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 8.950 CRITICAL AMP AT CELL 62

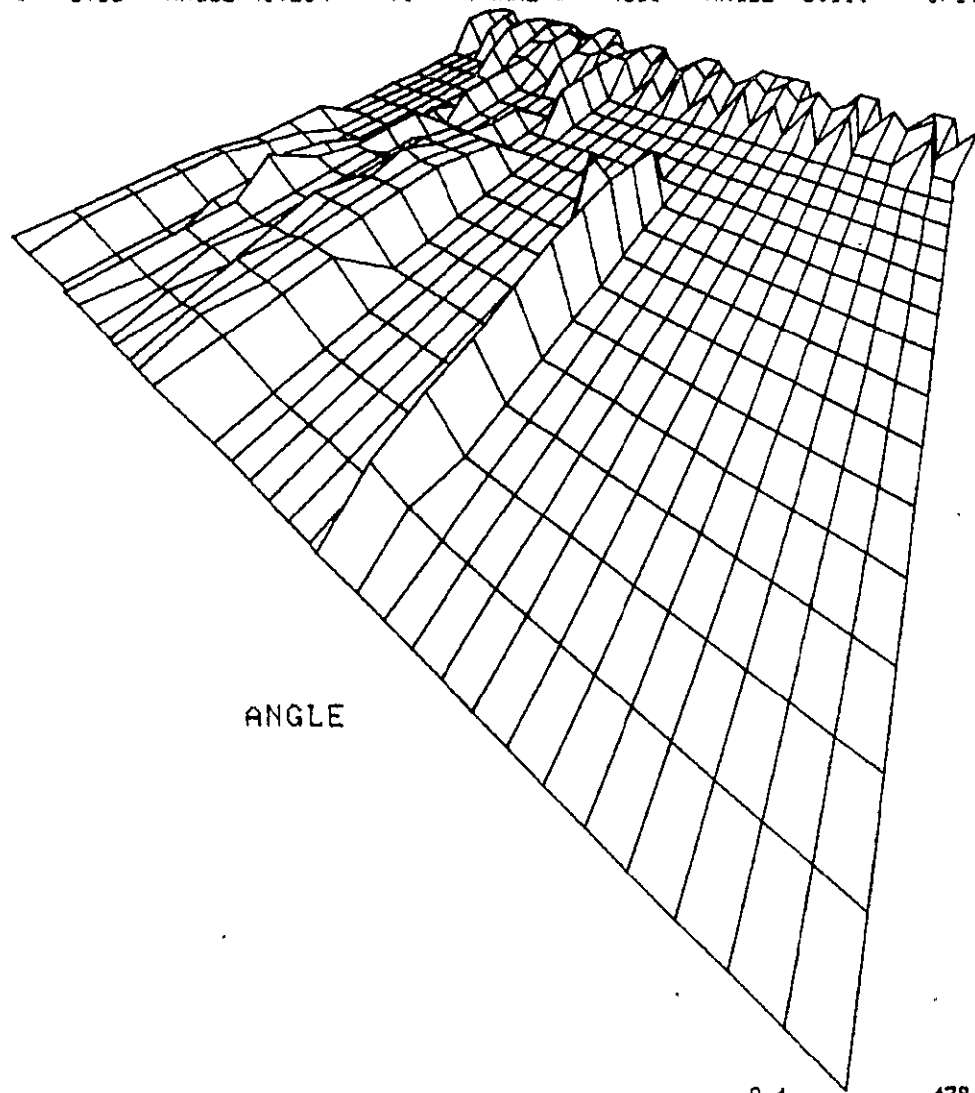
OPTION # 22-2

MAXIMUM U = 12.0

AVERAGE U = 2.4

ANGLE  
 1 45.0  
 2 44.9  
 3 44.7  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.1  
 10 37.9  
 11 36.7  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.2  
 22 23.9  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.4  
 27 18.1  
 28 17.0  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

45.0



143.2

R  
 1 143.2  
 2 162.9  
 3 182.6  
 4 202.3  
 5 222.1  
 6 241.8  
 7 261.5  
 8 281.2  
 9 300.9  
 10 320.7  
 11 340.4  
 12 360.1  
 13 379.3  
 14 399.5  
 15 419.2  
 16 439.0  
 17 458.4

R

ANGLE

9.4

478.4

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 3- 6110  
 \* SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 8.950 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 45.0  
 2 44.9  
 3 44.7  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.1  
 10 37.9  
 11 36.7  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.2  
 22 23.9  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.4  
 27 18.1  
 28 17.0  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

45.0

ANGLE

9.4

143.2

R

478.4

R  
 1 143.2  
 2 162.9  
 3 182.6  
 4 202.3  
 5 222.1  
 6 241.8  
 7 261.5  
 8 281.2  
 9 300.9  
 10 320.7  
 11 340.4  
 12 360.1  
 13 379.8  
 14 399.5  
 15 419.2  
 16 439.0  
 17 458.4

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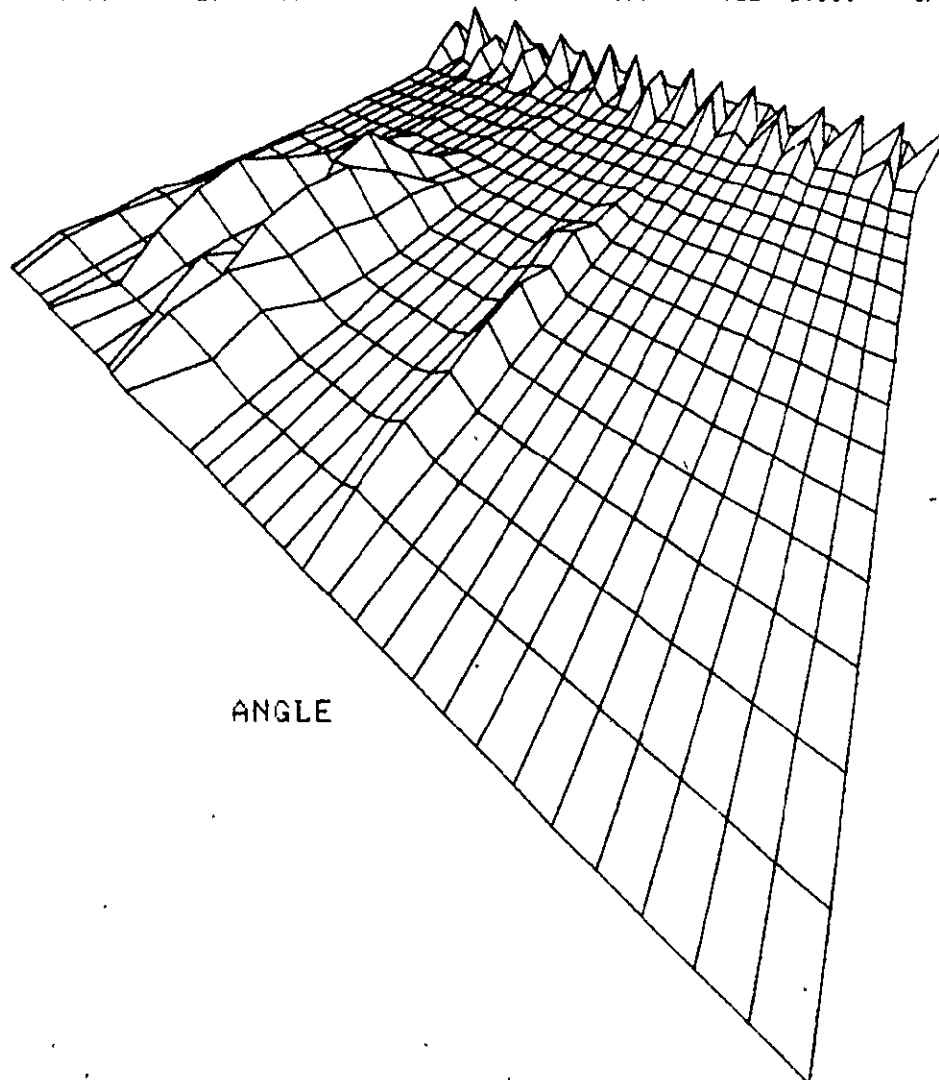
U \* I<sub>MAX</sub>, R, A DISPLAY



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 4 FRAME # 3763 ANGLE 45.254 TO FRAME # 4395 ANGLE 2.950 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 45.0  
 2 44.9  
 3 44.7  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.3  
 9 39.1  
 10 37.9  
 11 36.7  
 12 35.6  
 13 34.5  
 14 33.3  
 15 32.2  
 16 31.1  
 17 29.9  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.2  
 22 23.9  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.4  
 27 18.1  
 28 17.0  
 29 15.8  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

45.0



143.2

R  
 1 143.2  
 2 162.9  
 3 182.6  
 4 202.3  
 5 222.1  
 6 241.8  
 7 261.5  
 8 281.2  
 9 300.9  
 10 320.7  
 11 340.4  
 12 360.1  
 13 379.8  
 14 399.5  
 15 419.2  
 16 439.0  
 17 478.4

R

ANGLE

9.4

478.4

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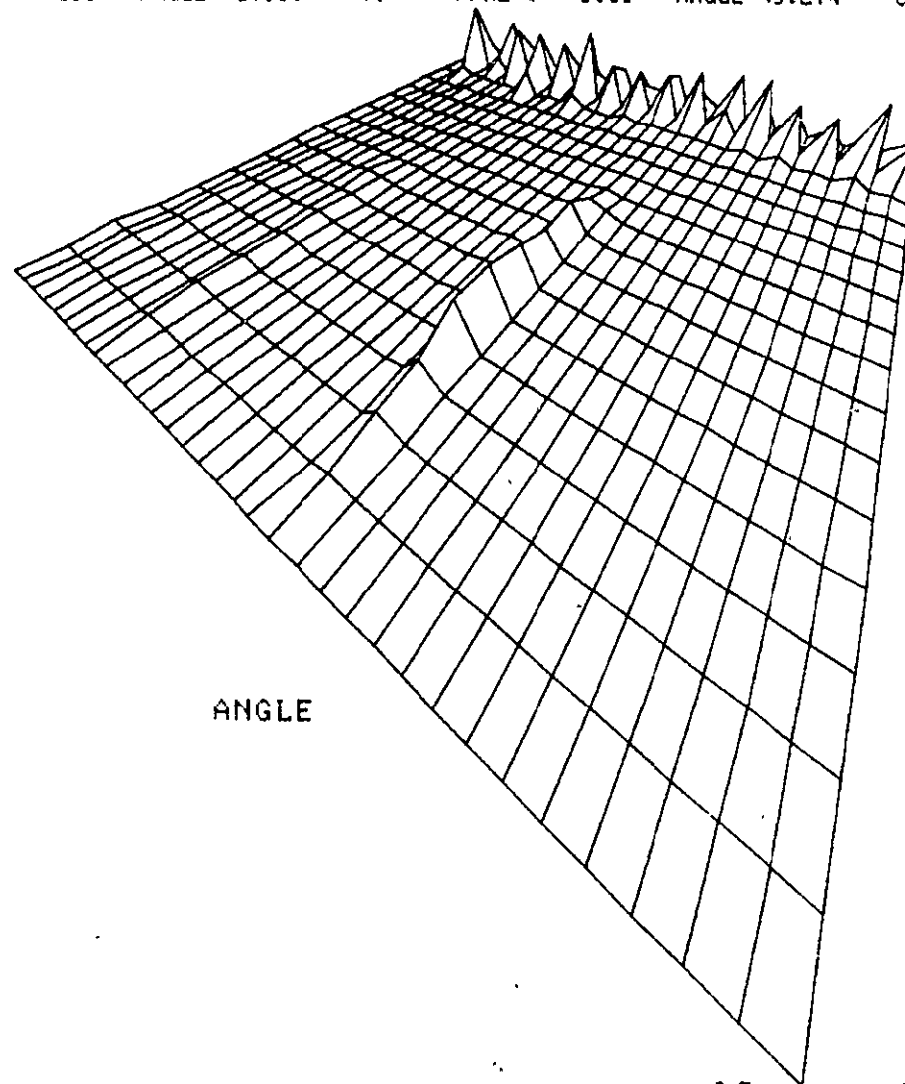
U \* I MAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 5 FRAME # 4395 ANGLE 8.950 TO FRAME # 5005 ANGLE 45.274 CRITICAL AMP AT CELL 62  
 OPTION # 11-1

MAXIMUM I - 39.0  
 AVERAGE I - 2.0

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.3  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.2  
 12 20.3  
 13 21.4  
 14 22.6  
 15 23.8  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 32.0  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.6  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.4  
 32 43.5  
 33 44.5  
 34 45.1

45.1



153.5

R  
 1 153.5  
 2 172.9  
 3 192.4  
 4 211.8  
 5 231.2  
 6 250.6  
 7 270.1  
 8 289.5  
 9 308.9  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.9  
 17 463.7

R

ANGLE

9.5

483.7

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 5 FRAME # 4395 ANGLE 8.950 TO FRAME # 5005 ANGLE 45.274 CRITICAL AMP AT CELL 62

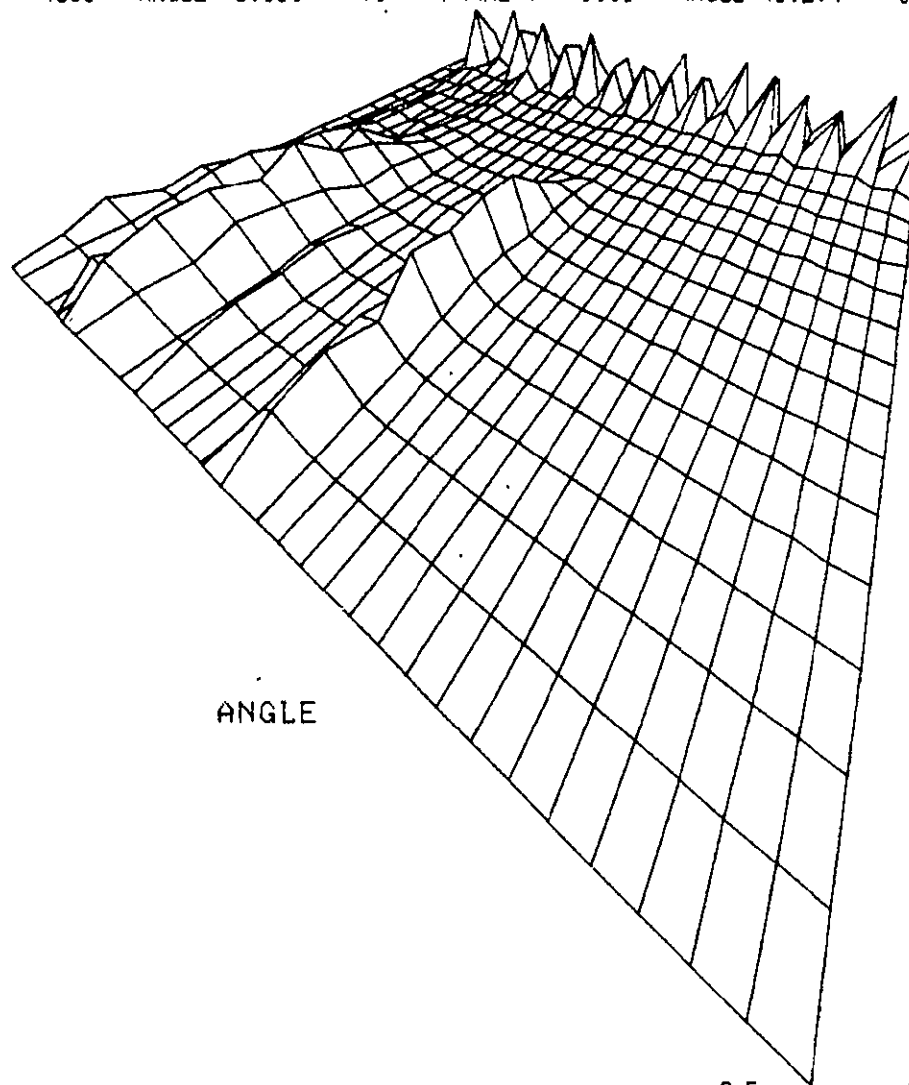
OPTION # 11-2

MAXIMUM I = 59.0

AVERAGE I = 7.7

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.3  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.2  
 12 20.3  
 13 21.4  
 14 22.6  
 15 23.8  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 32.0  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.6  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.4  
 32 43.5  
 33 44.5  
 34 45.1

45.1



153.5

R  
 1 153.5  
 2 172.9  
 3 192.4  
 4 211.8  
 5 231.2  
 6 250.6  
 7 270.1  
 8 289.5  
 9 308.9  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.9  
 17 463.7

R

9.5

483.7

IMAX, R, A DISPLAY

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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 8110  
 \* SCAN # 5 FRAME # 4395 ANGLE 2.950 TO FRAME # 5005 ANGLE 45.274 CRITICAL AMP AT CELL 62

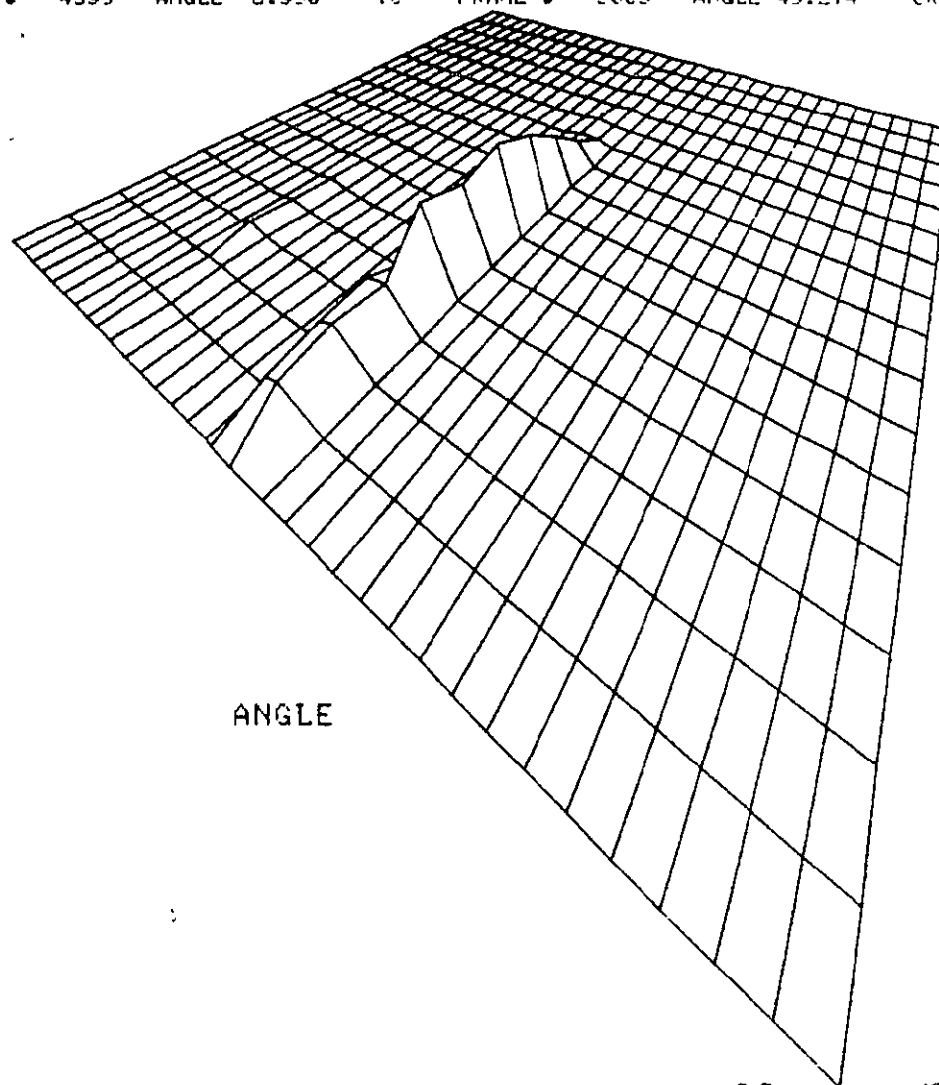
OPTION # 12-1

MAXIMUM I = 49.0

AVERAGE I = 1.0

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.3  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.2  
 12 20.3  
 13 21.4  
 14 22.6  
 15 23.8  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 32.0  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.6  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.4  
 32 43.5  
 33 44.5  
 34 45.1

45.1



153.5

R  
 1 153.5  
 2 172.9  
 3 192.4  
 4 211.8  
 5 231.2  
 6 250.6  
 7 270.1  
 8 289.5  
 9 308.9  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.9  
 17 464.3

R

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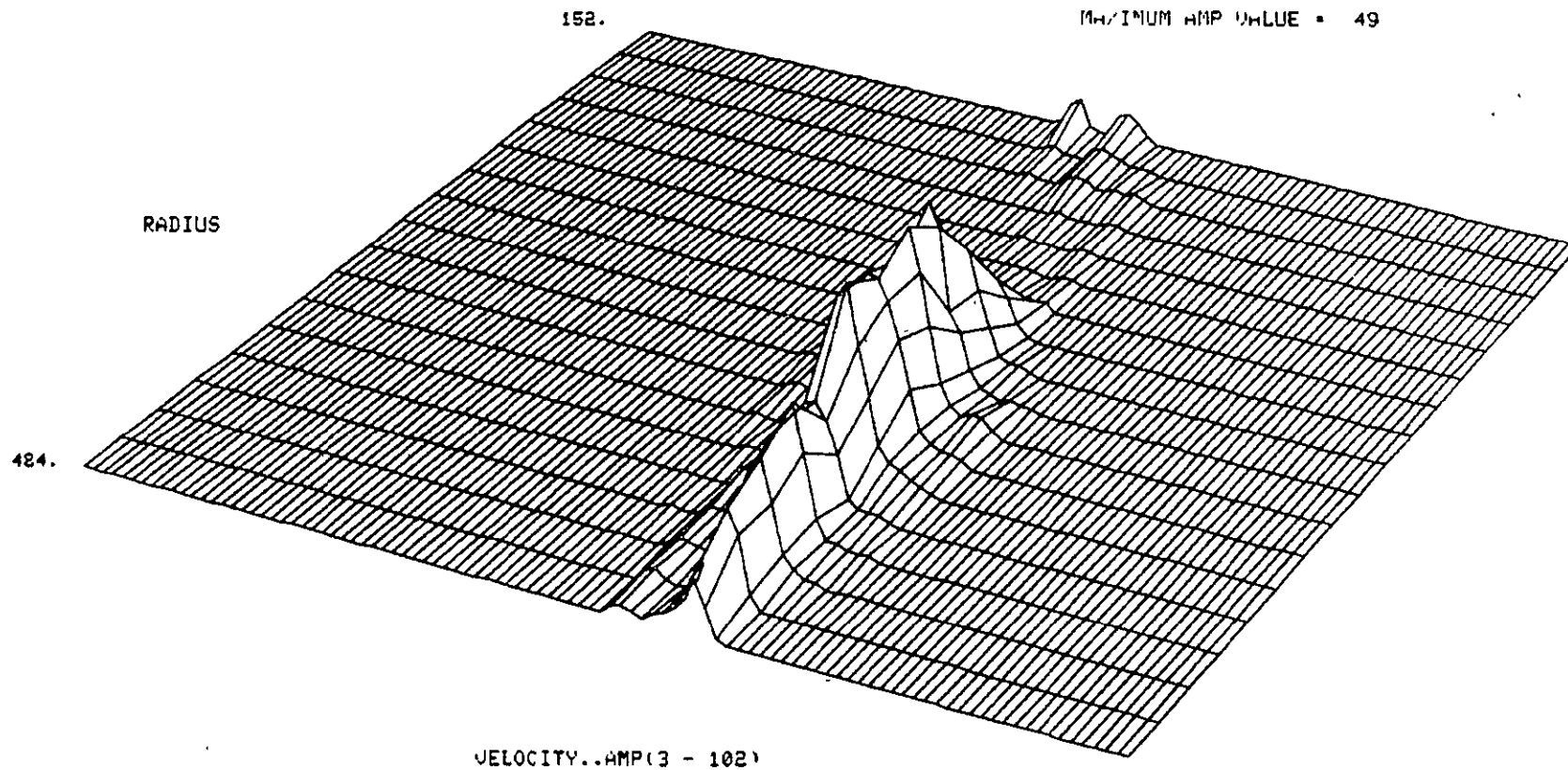
9.5

483.7

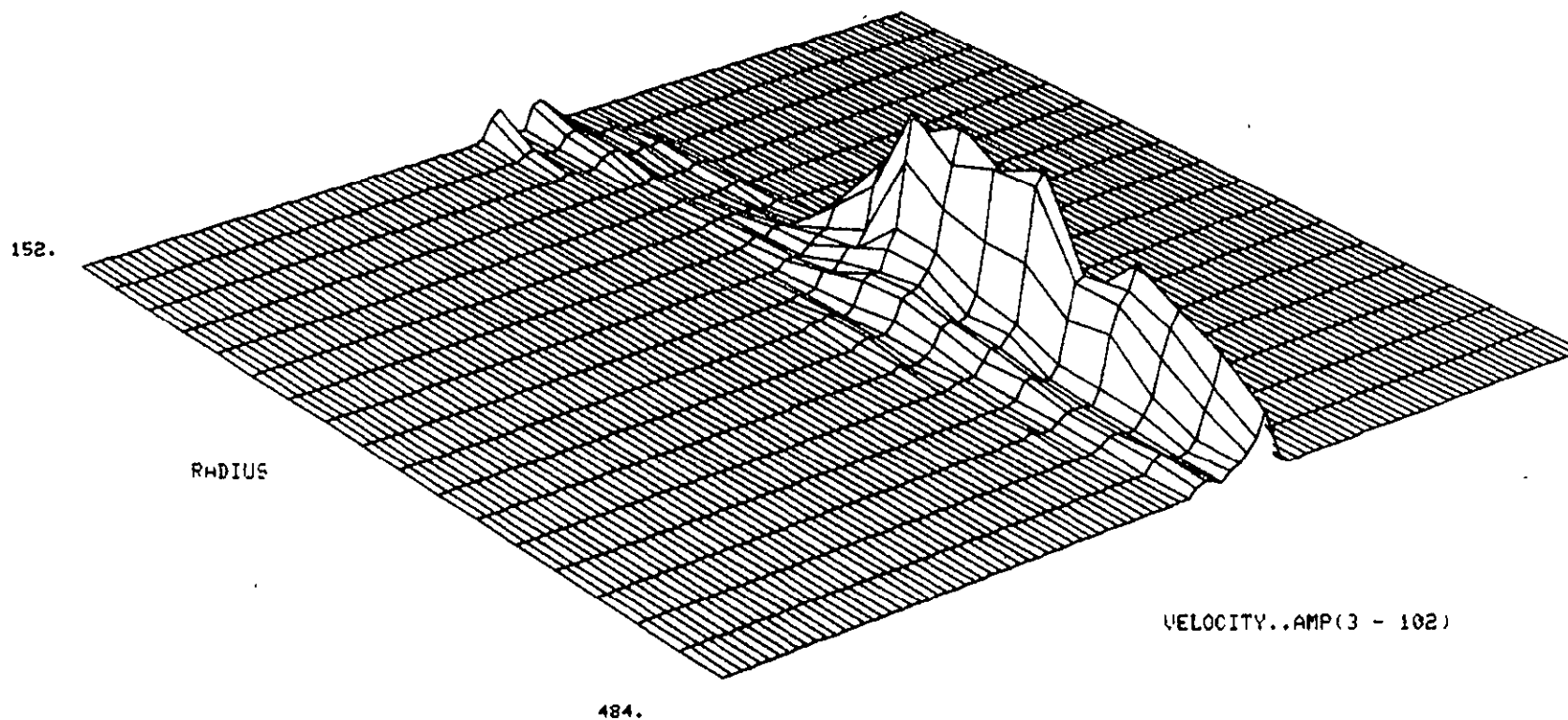
I, R, A DISPLAY AT VELOCITY CELL 62

4  
8

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TYPE 1 OF 2- 5110  
 SCAN # 5 FRAME # 4395 ANGLE 8.950 TO FRAME # 5005 ANGLE 45.274 CRITICAL AMP AT CELL 62  
 FRAME # 4686 TO 4704  
 ANGLE = 26.07  
 MAXIMUM AMP VALUE = 49



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 8110  
 SCAN # 5 FRAME # 4395 ANGLE 8.950 TO FRAME # 5005 ANGLE 45.274 CRITICAL AMP AT CELL 62  
 FRAME # 4686 TO 4784  
 ANGLE = 26.07  
 MAXIMUM AMP VALUE = 49



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 5 FRAME # 4395 ANGLE 2.950 TO FRAME # 5005 ANGLE 45.274 CRITICAL AMP AT CELL 62

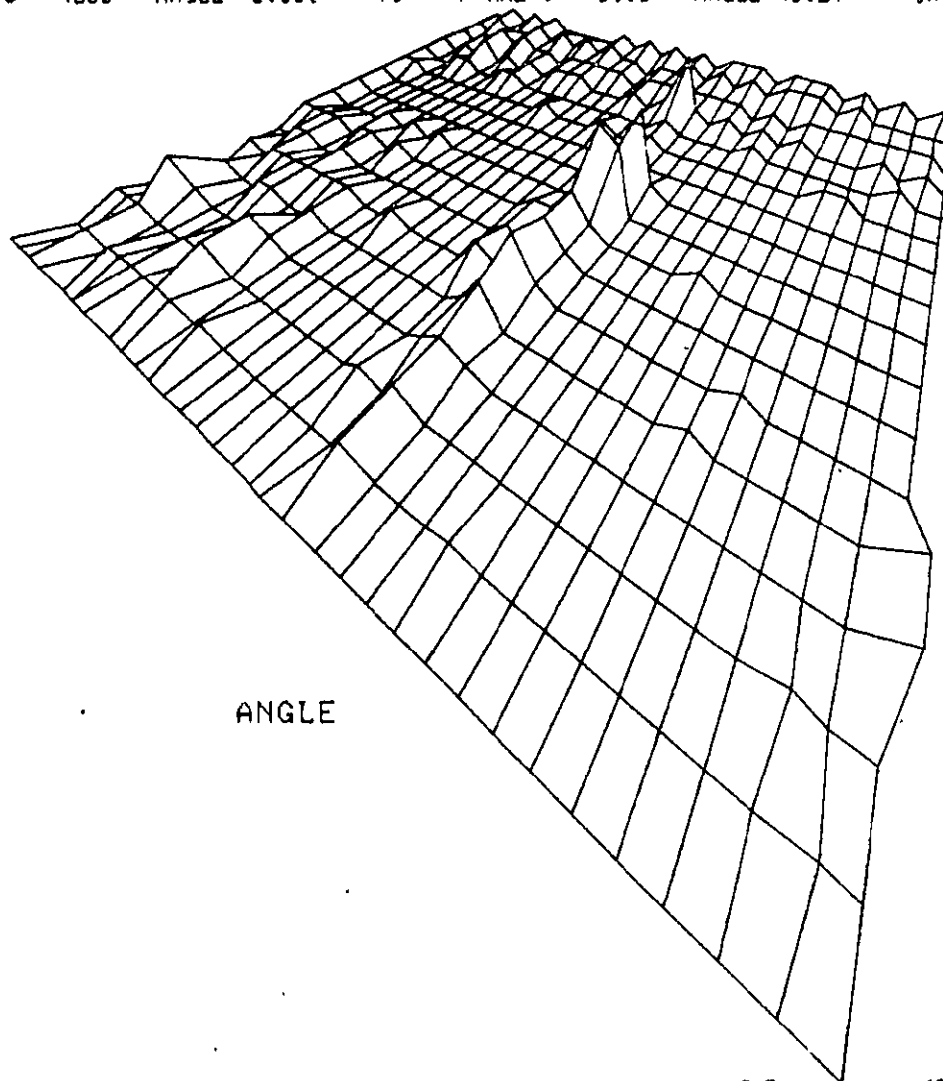
OPTION # 21-1

MAXIMUM U = 7.0

AVERAGE U = 1.5

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.3  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.2  
 12 20.3  
 13 21.4  
 14 22.6  
 15 23.8  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 32.0  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.6  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.4  
 32 43.5  
 33 44.5  
 34 45.1

45.1



153.5

R  
 1 153.5  
 2 172.9  
 3 192.4  
 4 211.8  
 5 231.2  
 6 250.6  
 7 270.1  
 8 289.5  
 9 308.9  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.9  
 17 463.7

R

ANGLE

9.5

483.7

U, R, A DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEOIL DAY 238 PUN # 4 TAPE 1 OF 2- 3110  
 \* SCAN # 5 FRAME # 4395 ANGLE 3.950 TO FRAME # 5005 ANGLE 45.274 CRITICAL HMP AT CELL 62

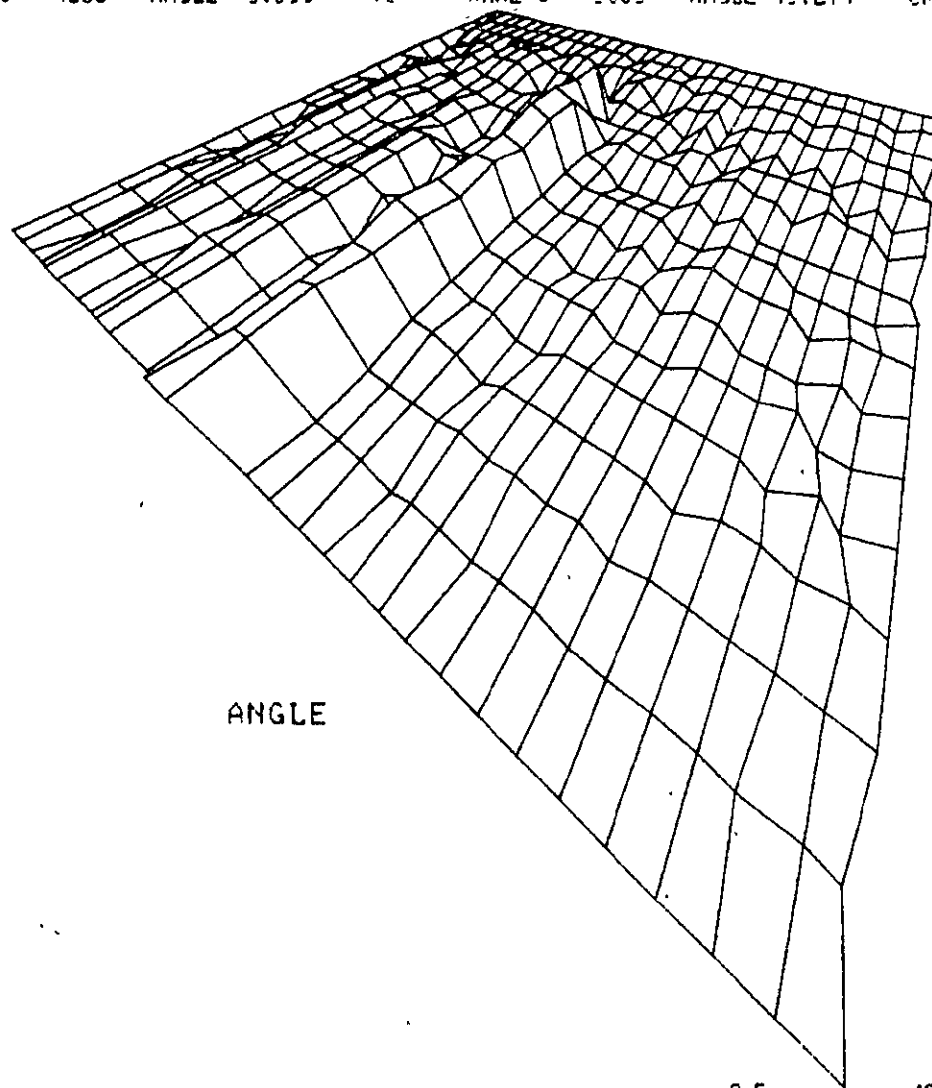
OPTION # 21-2

MAXIMUM U = 11.0

AVERAGE U = 3.5

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.3  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.2  
 12 20.3  
 13 21.4  
 14 22.6  
 15 23.8  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 32.0  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.6  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.4  
 32 43.5  
 33 44.5  
 34 45.1

45.1



9.5

483.7

153.5

R  
 1 153.5  
 2 172.9  
 3 192.4  
 4 211.8  
 5 231.2  
 6 250.6  
 7 270.1  
 8 289.5  
 9 308.9  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.9  
 17 464.3

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U, R, A DISPLAY (VELOCITY AT I MAX)



NASA PROJECT DUST DEVIL DAY 235 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 5 FRAME # 4395 ANGLE 8.950 TO FRAME # 5005 ANGLE 45.274 CRITICAL AMP NT CELL 62

OPTION # 22-1

MAXIMUM U = 8.0

AVERAGE U = 1.2

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.3  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.2  
 12 20.3  
 13 21.4  
 14 22.6  
 15 23.8  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 32.0  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.6  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.4  
 32 43.5  
 33 44.5  
 34 45.1

45.1

ANGLE

9.5

483.7

153.5

R  
 1 153.5  
 2 172.9  
 3 192.4  
 4 211.8  
 5 231.2  
 6 250.6  
 7 270.1  
 8 289.5  
 9 308.9  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.9  
 17 483.7

R

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U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

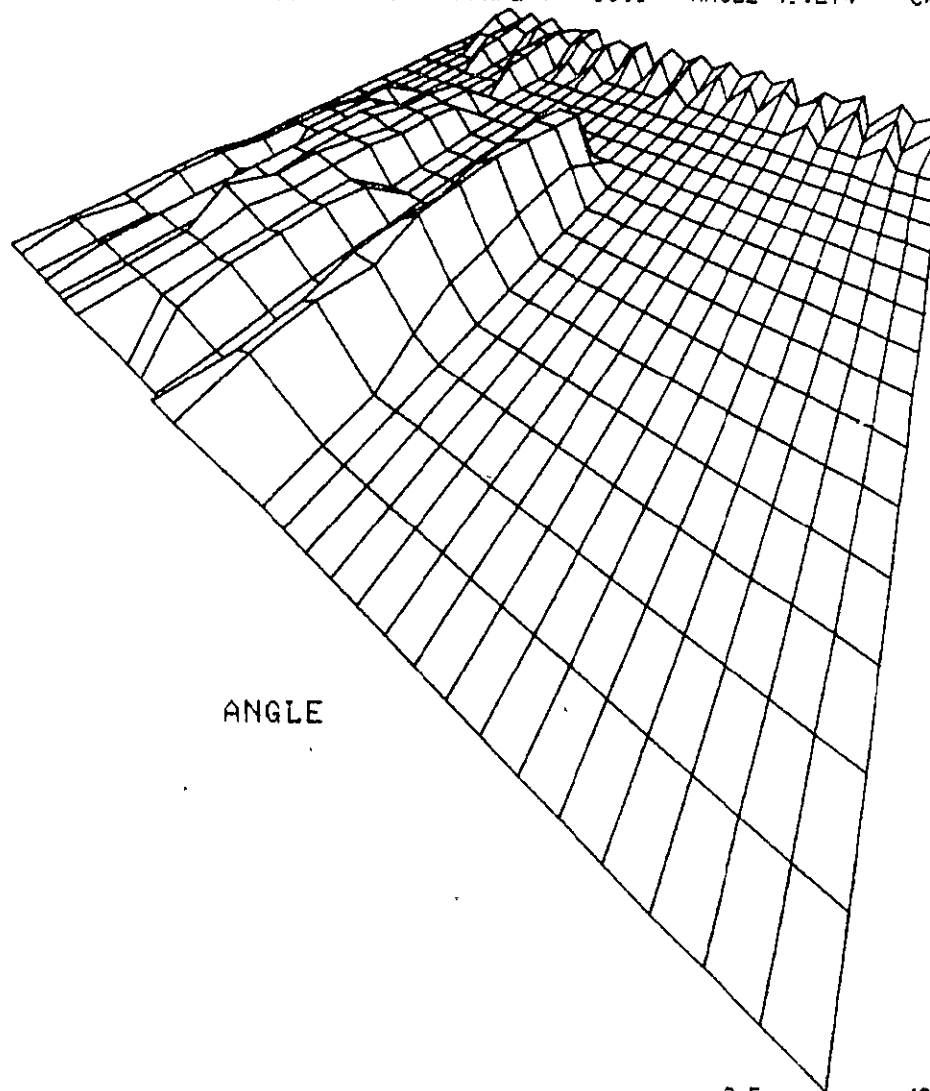
NASA PROJECT DUST DEVIL DAY 202 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 5 FRAME # 4395 ANGLE 8.950 TO FRAME # 5005 ANGLE 45.274 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 14.0

AVERAGE U = 2.6

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.3  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.2  
 12 20.3  
 13 21.4  
 14 22.6  
 15 23.8  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 32.0  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.6  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.4  
 32 43.5  
 33 44.5  
 34 45.1

45.1



153.5

R  
 1 153.5  
 2 172.9  
 3 192.4  
 4 211.8  
 5 231.2  
 6 250.6  
 7 270.1  
 8 289.5  
 9 308.9  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.9  
 17 463.7

U

9.5

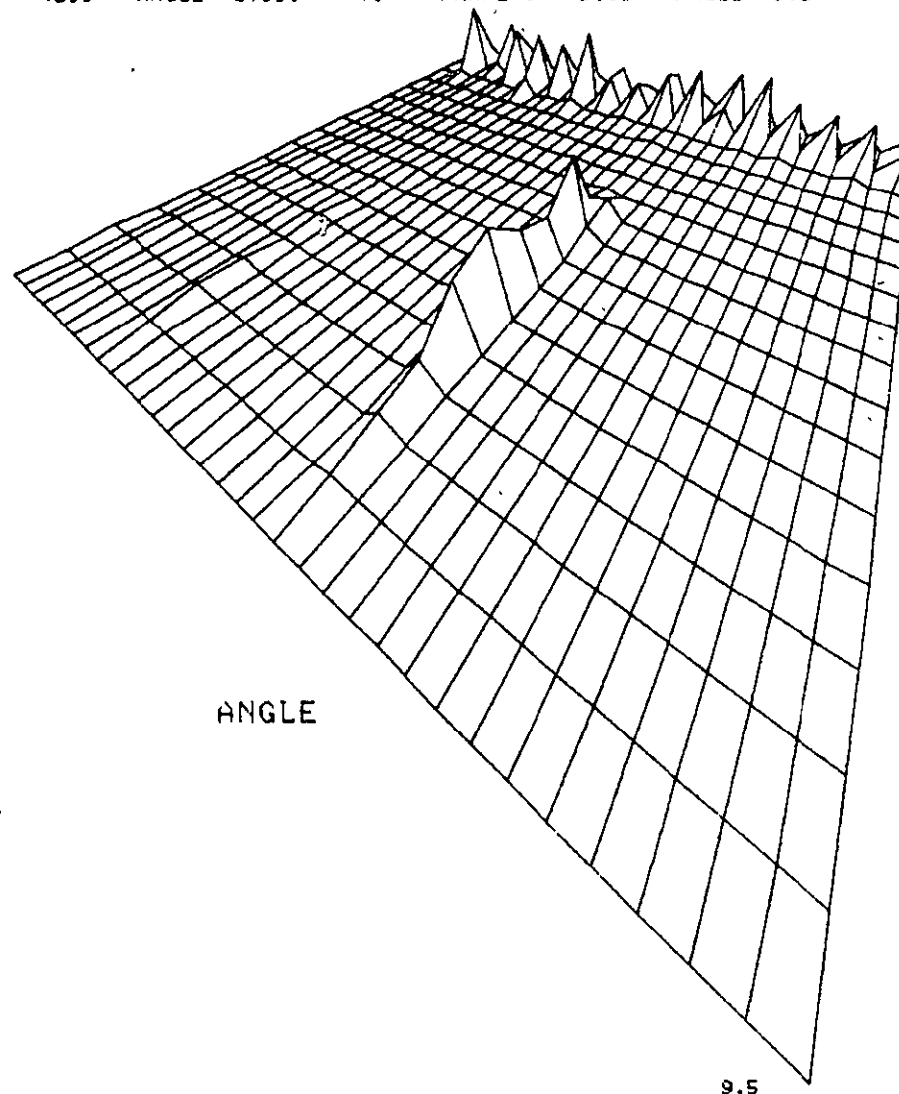
483.7

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 8110  
 \* SCAN # 5 FRAME # 4395 ANGLE 8.950 TO FRAME # 5005 ANGLE 45.274 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.3  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.2  
 12 20.3  
 13 21.4  
 14 22.6  
 15 23.8  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 32.0  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.6  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.4  
 32 43.5  
 33 44.5  
 34 45.1

45.1



153.5

R  
 1 153.5  
 2 172.9  
 3 192.4  
 4 211.8  
 5 231.2  
 6 250.6  
 7 270.1  
 8 289.5  
 9 308.9  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.9  
 17 463.7

R

9.5

483.7

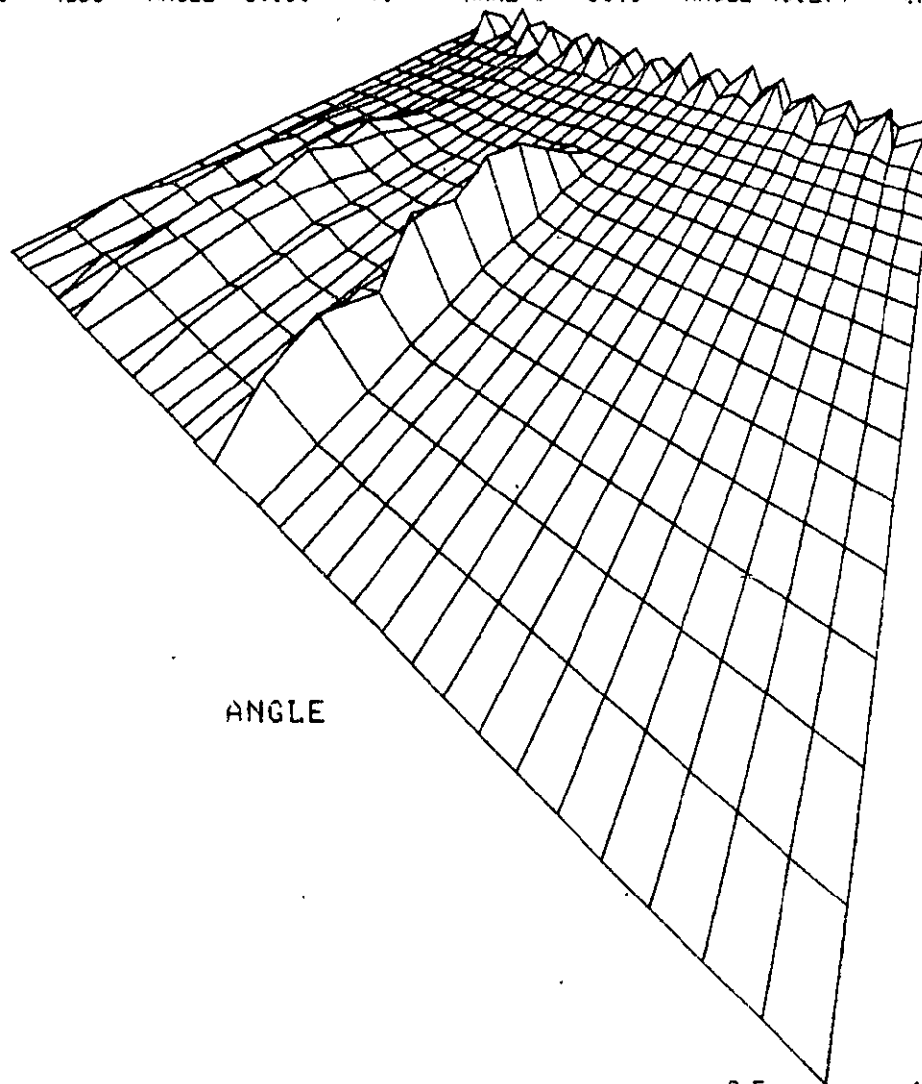
U \* I<sub>max</sub>, R, A DISPLAY

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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 5 FRAME # 4395 ANGLE 8.950 TO FRAME # 5005 ANGLE 45.274 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 9.5  
 2 9.8  
 3 10.4  
 4 11.2  
 5 12.3  
 6 13.3  
 7 14.4  
 8 15.6  
 9 16.8  
 10 18.0  
 11 19.2  
 12 20.3  
 13 21.4  
 14 22.6  
 15 23.8  
 16 24.9  
 17 26.0  
 18 27.3  
 19 28.5  
 20 29.6  
 21 30.8  
 22 32.0  
 23 33.1  
 24 34.3  
 25 35.4  
 26 36.6  
 27 37.7  
 28 38.9  
 29 40.0  
 30 41.2  
 31 42.4  
 32 43.5  
 33 44.5  
 34 45.1

45.1



153.5

R  
 1 153.5  
 2 172.9  
 3 192.4  
 4 211.3  
 5 231.2  
 6 250.6  
 7 270.1  
 8 289.5  
 9 308.9  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.9  
 17 463.7

R

9.5

483.7

U \* I<sub>max</sub>, R, A DISPLAY

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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 6 FRAME # 5005 ANGLE 45.274 TO FRAME # 5632 ANGLE 9.050 CRITICAL WMP AT CELL 62

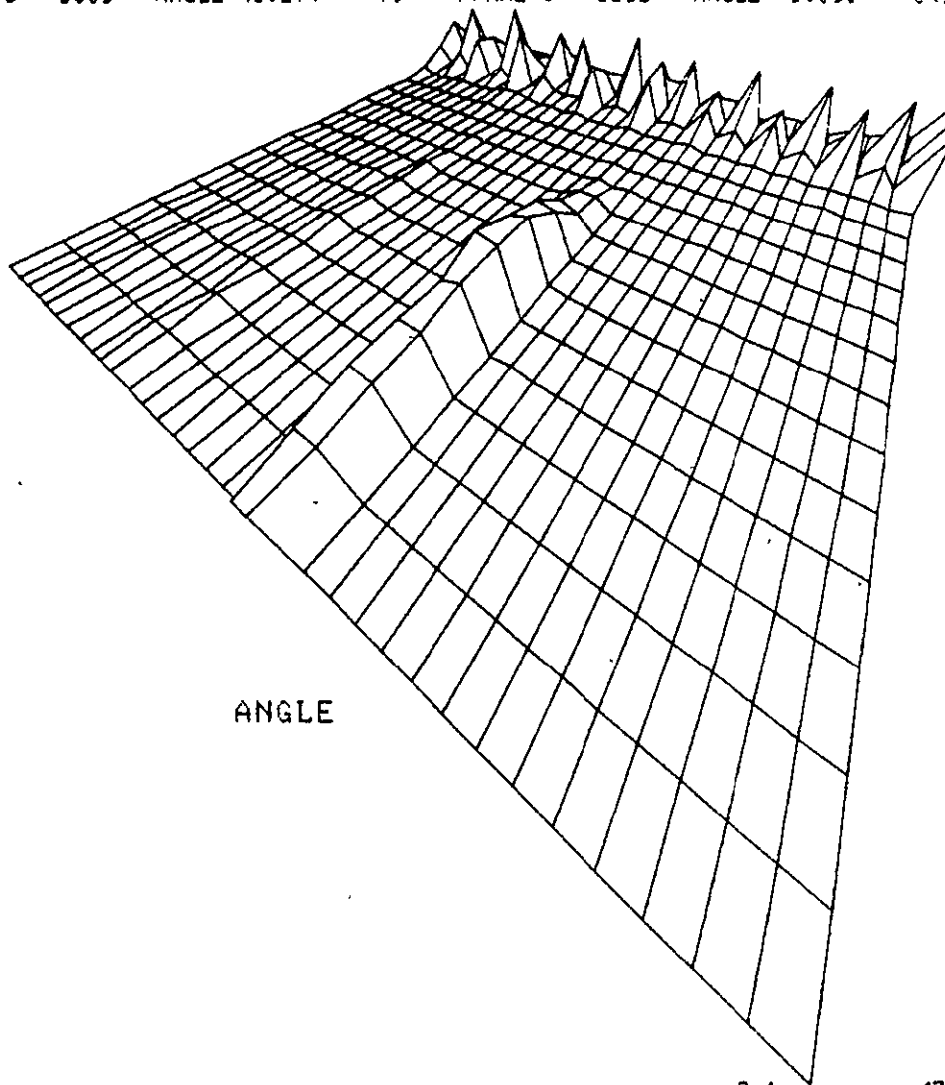
OPTION # 11-1

MAXIMUM I = 35.0

AVERAGE I = 2.5

ANGLE  
 1 44.9  
 2 44.9  
 3 44.6  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.2  
 9 39.1  
 10 37.9  
 11 36.8  
 12 35.5  
 13 34.4  
 14 33.3  
 15 32.2  
 16 31.0  
 17 29.8  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.1  
 22 24.0  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.3  
 27 18.1  
 28 17.0  
 29 15.7  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

44.9



9.4

475.1

144.9

R  
 1 144.9  
 2 164.4  
 3 183.8  
 4 203.2  
 5 222.6  
 6 242.0  
 7 261.5  
 8 280.9  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.4  
 15 416.8  
 16 436.2  
 17 455.6

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IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 6 FRAME # 5005 ANGLE 45.274 TO FRAME # 5632 ANGLE 9.050 CRITICAL AMP AT CELL 62

OPTION # 11-2

MAXIMUM I = 61.0

AVERAGE I = 7.5

ANGLE  
 1 44.9  
 2 44.9  
 3 44.6  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.2  
 9 39.1  
 10 37.9  
 11 36.8  
 12 35.5  
 13 34.4  
 14 33.3  
 15 32.2  
 16 31.0  
 17 29.8  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.1  
 22 24.0  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.3  
 27 18.1  
 28 17.0  
 29 15.7  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

44.9

ANGLE

9.4

144.9

R

R  
 1 144.9  
 2 164.4  
 3 183.8  
 4 203.2  
 5 222.6  
 6 242.0  
 7 261.5  
 8 280.9  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.4  
 15 416.8  
 16 436.2  
 17 455.1

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475.1

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 6 FRAME # 5005 ANGLE 45.274 TO FRAME # 5632 ANGLE 9.050 CRITICAL AMP AT CELL 62

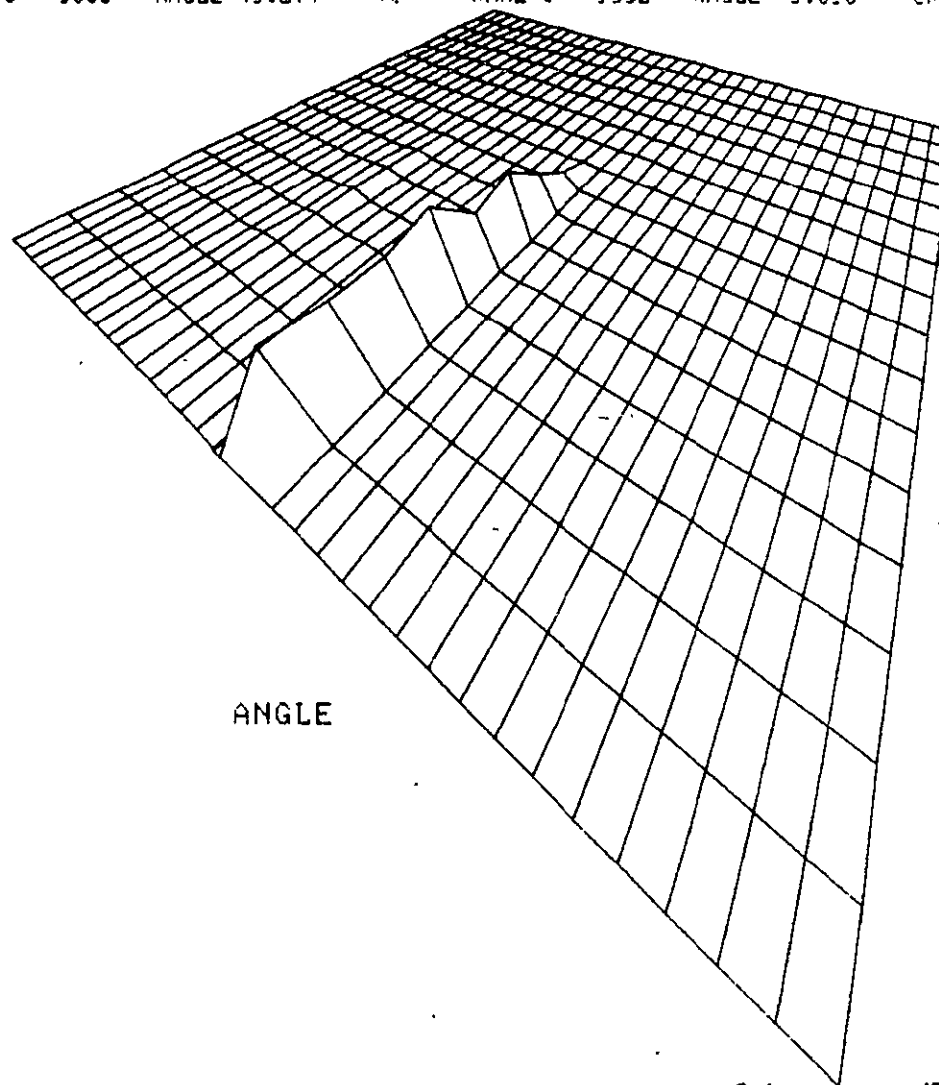
OPTION # 12-1

MAXIMUM I = 47.0

AVERAGE I = 0.7

	ANGLE
1	44.9
2	44.9
3	44.6
4	44.2
5	43.4
6	42.4
7	41.4
8	40.2
9	39.1
10	37.9
11	36.8
12	35.5
13	34.4
14	33.3
15	32.2
16	31.0
17	29.8
18	28.7
19	27.6
20	26.4
21	25.1
22	24.0
23	22.8
24	21.6
25	20.5
26	19.3
27	18.1
28	17.0
29	15.7
30	14.6
31	13.4
32	12.2
33	11.0
34	9.9
35	9.4

44.9



144.9

R

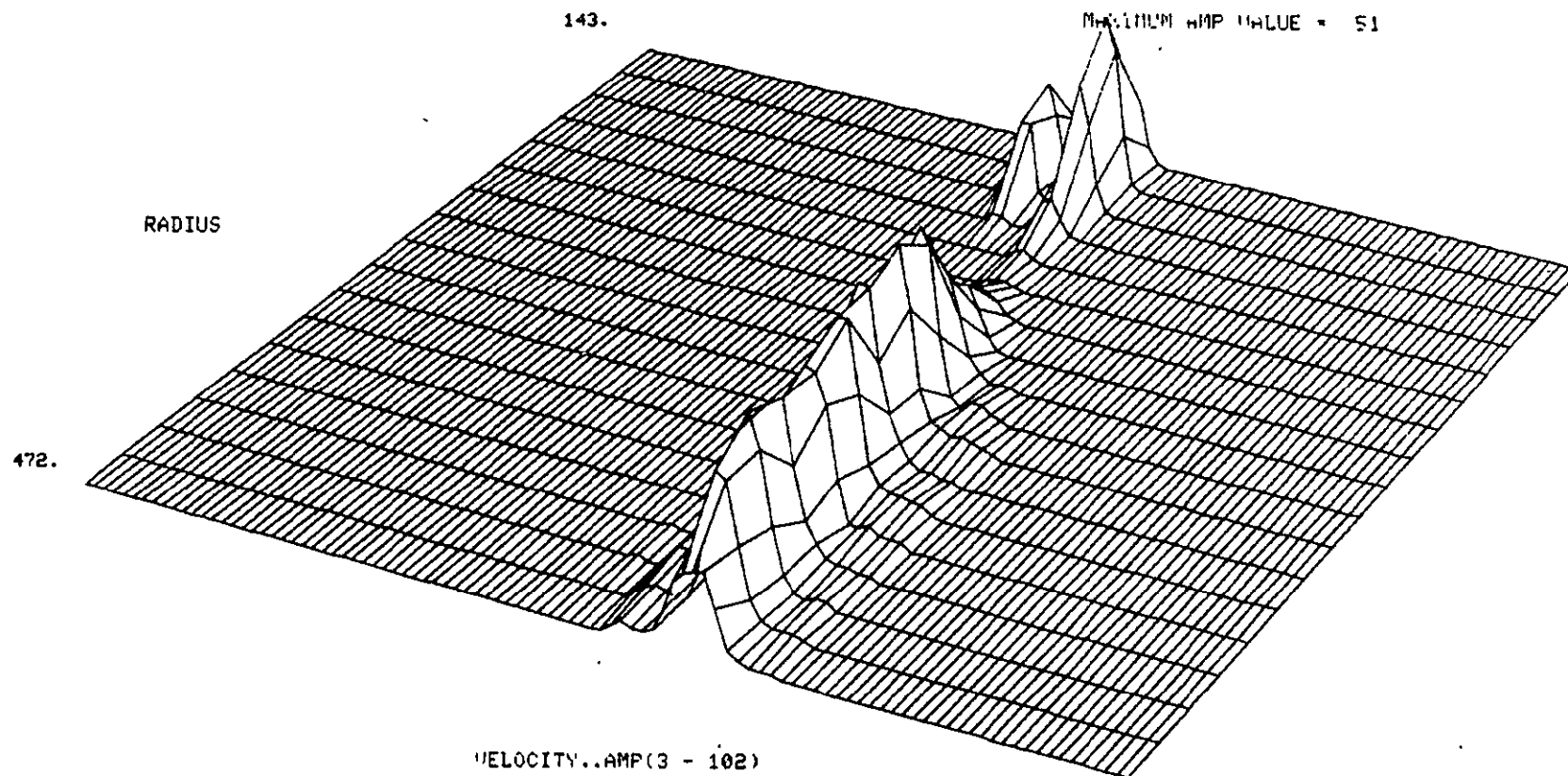
	R
1	144.9
2	164.4
3	183.8
4	203.2
5	222.6
6	242.0
7	261.5
8	280.9
9	300.3
10	319.7
11	339.1
12	358.6
13	378.0
14	397.4
15	416.8
16	436.2
17	455.1

9.4

475.1

I, R, A DISPLAY AT VELOCITY CELL 62

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 6 FRAME # 5005 ANGLE 45.274 TO FRAME # 5632 ANGLE 9.050 CRITICAL AMP AT CELL 62  
 FRAME # 5324 TO 5342  
 ANGLE = 27.58  
 MAXIMUM AMP VALUE = 51







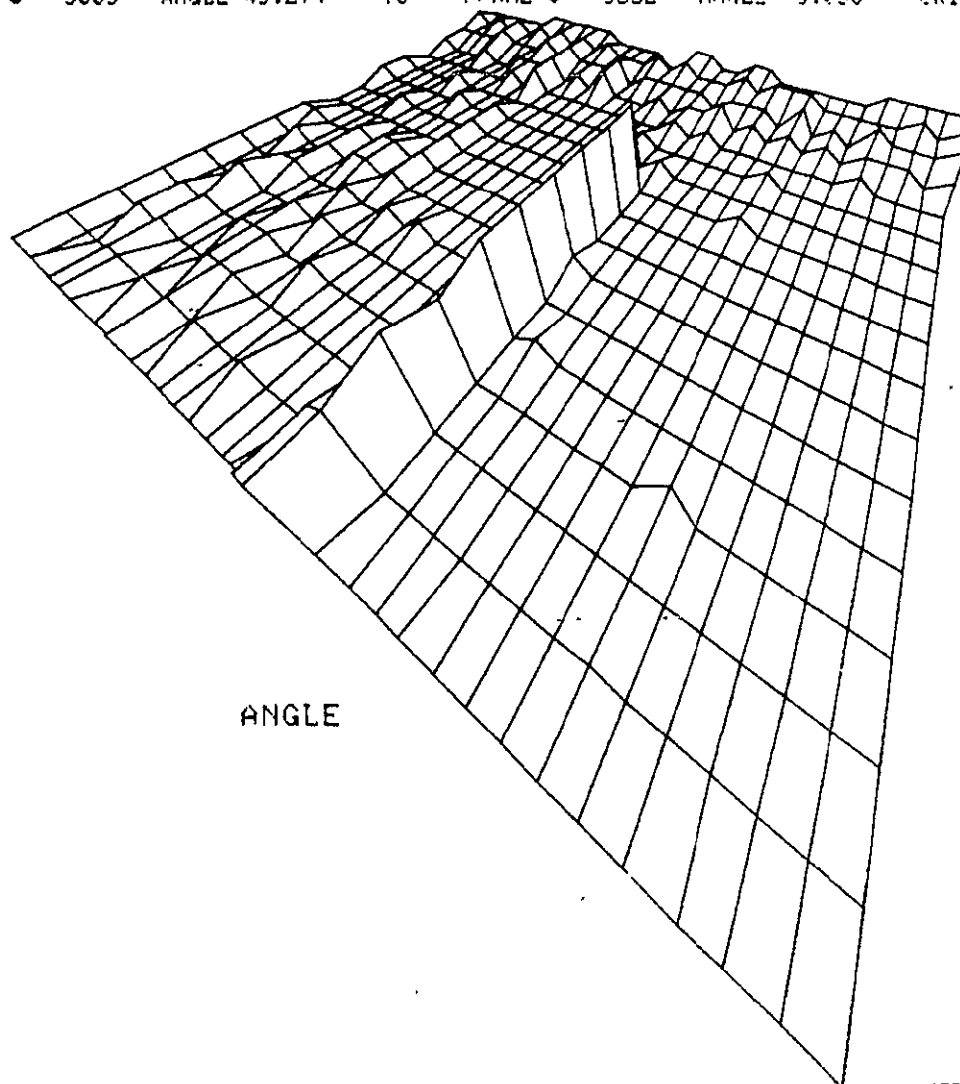
NASA PROJECT DUST DEVIL DAY 208 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 6 FRAME # 5005 ANGLE 45.274 TO FRAME # 5632 ANGLE 9.050 CRITICAL AMP AT CELL 62

OPTION # 21-1

MAXIMUM U = 7.0  
 AVERAGE U = 1.5

ANGLE  
 1 44.9  
 2 44.9  
 3 44.6  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.2  
 9 39.1  
 10 37.9  
 11 36.8  
 12 35.5  
 13 34.4  
 14 33.3  
 15 32.2  
 16 31.0  
 17 29.8  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.1  
 22 24.0  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.3  
 27 18.1  
 28 17.0  
 29 15.7  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

44.9



144.9

R  
 1 144.9  
 2 164.4  
 3 183.8  
 4 203.2  
 5 222.6  
 6 242.0  
 7 261.5  
 8 280.9  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.4  
 15 416.8  
 16 436.2  
 17 455.1

R

9.4

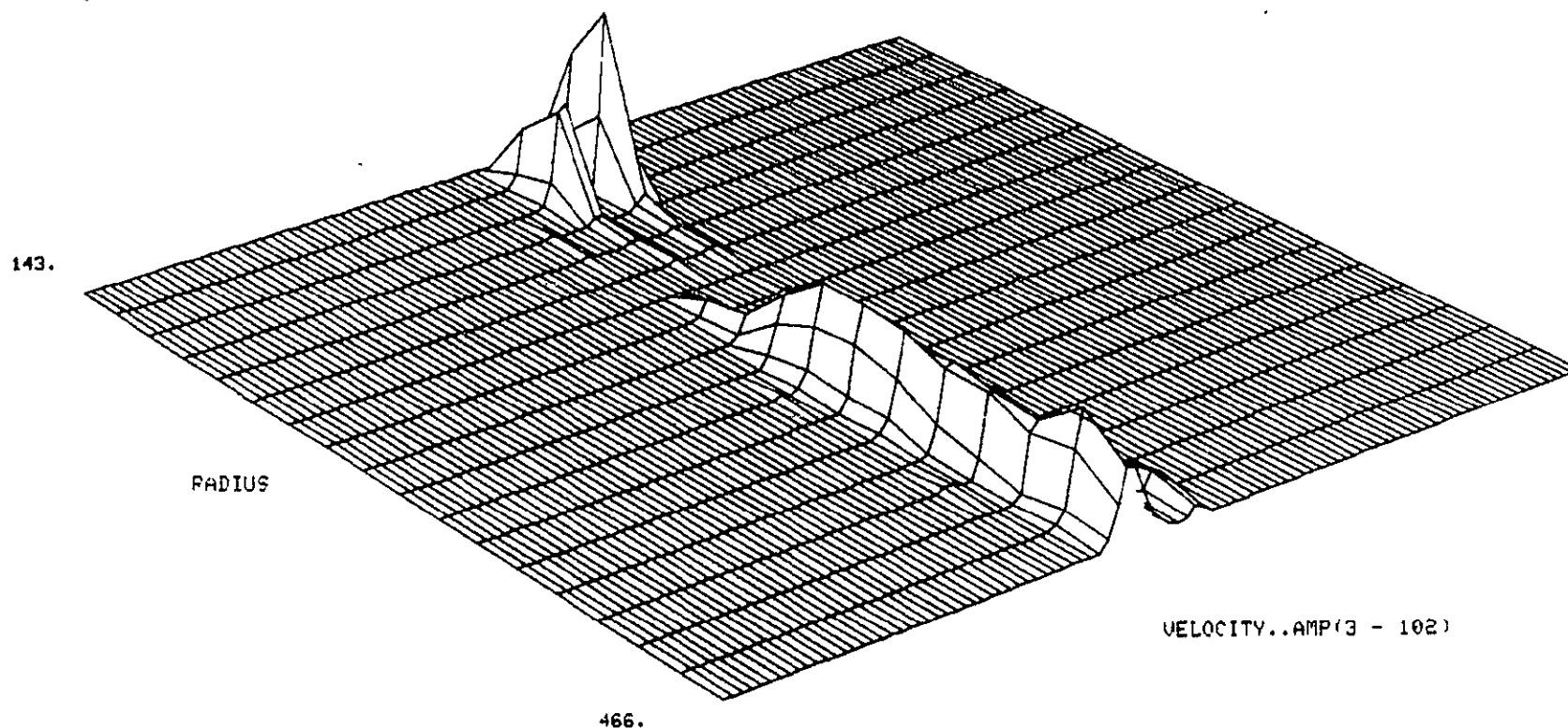
475.1

U, R, A DISPLAY (VELOCITY AT IMAX)

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\* NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 6 FRAME # 5005 ANGLE 45.274 TO FRAME # 5632 ANGLE 9.050 CRITICAL AMP AT CELL 62  
 FRAME # 5361 TO 5379  
 ANGLE = 25.10  
 MAXIMUM AMP VALUE = 50



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 6 FRAME # 5005 ANGLE 45.274 TO FRAME # 5622 ANGLE 3.050 CRITICAL AMP AT CELL 62

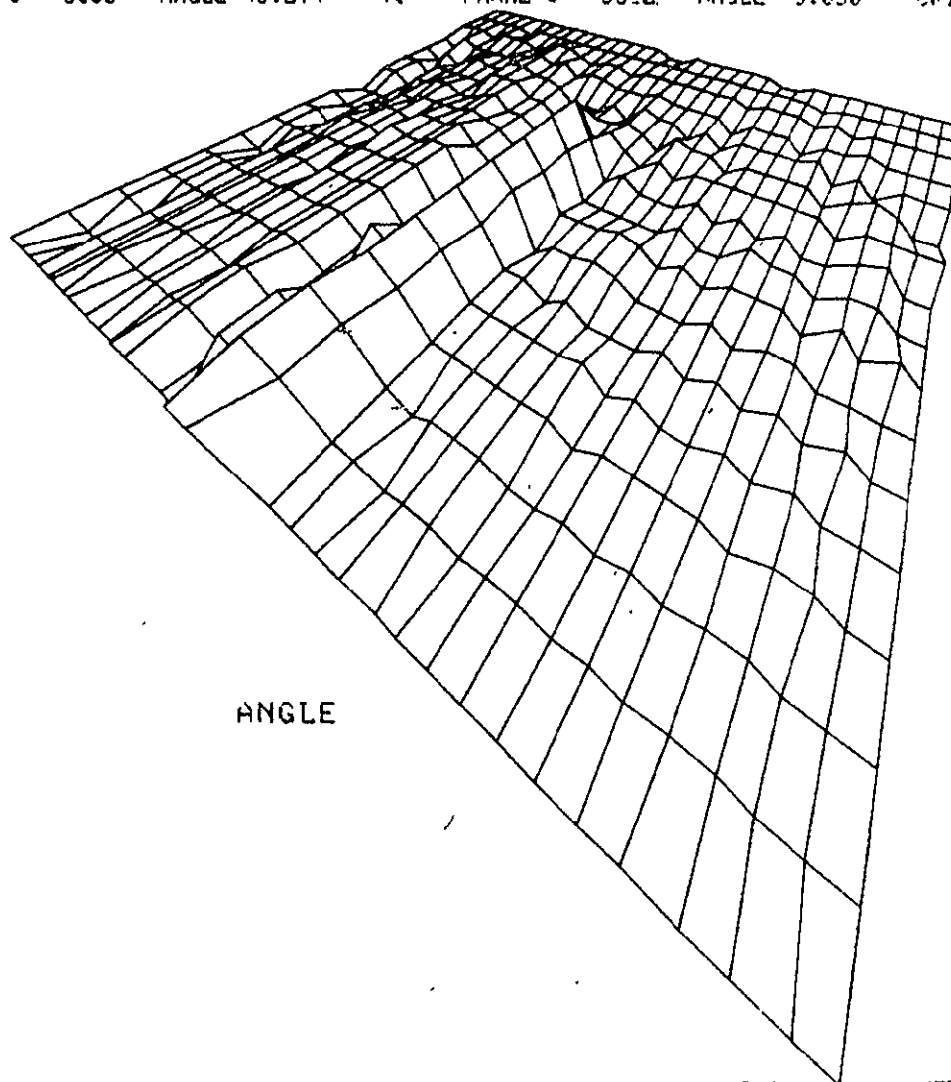
OPTION # 21-2

MAXIMUM U = 13.0

AVERAGE U = 3.3

ANGLE  
 1 44.9  
 2 44.9  
 3 44.6  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.2  
 9 39.1  
 10 37.9  
 11 36.8  
 12 35.5  
 13 34.4  
 14 33.3  
 15 32.2  
 16 31.0  
 17 29.8  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.1  
 22 24.0  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.3  
 27 18.1  
 28 17.0  
 29 15.7  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

44.9



144.9

R  
 1 144.9  
 2 164.4  
 3 183.8  
 4 203.2  
 5 222.6  
 6 242.0  
 7 261.5  
 8 280.9  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.4  
 15 416.8  
 16 436.2  
 17 475.1

R

ANGLE

9.4

475.1

U, R, A DISPLAY (VELOCITY AT I MAX)

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NASA PROJECT DUST DEVIL DAY 235 PUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 6 FRAME # 5005 ANGLE 45.274 TO FRAME # 5632 ANGLE 9.050 CRITICAL AMP AT CELL 62

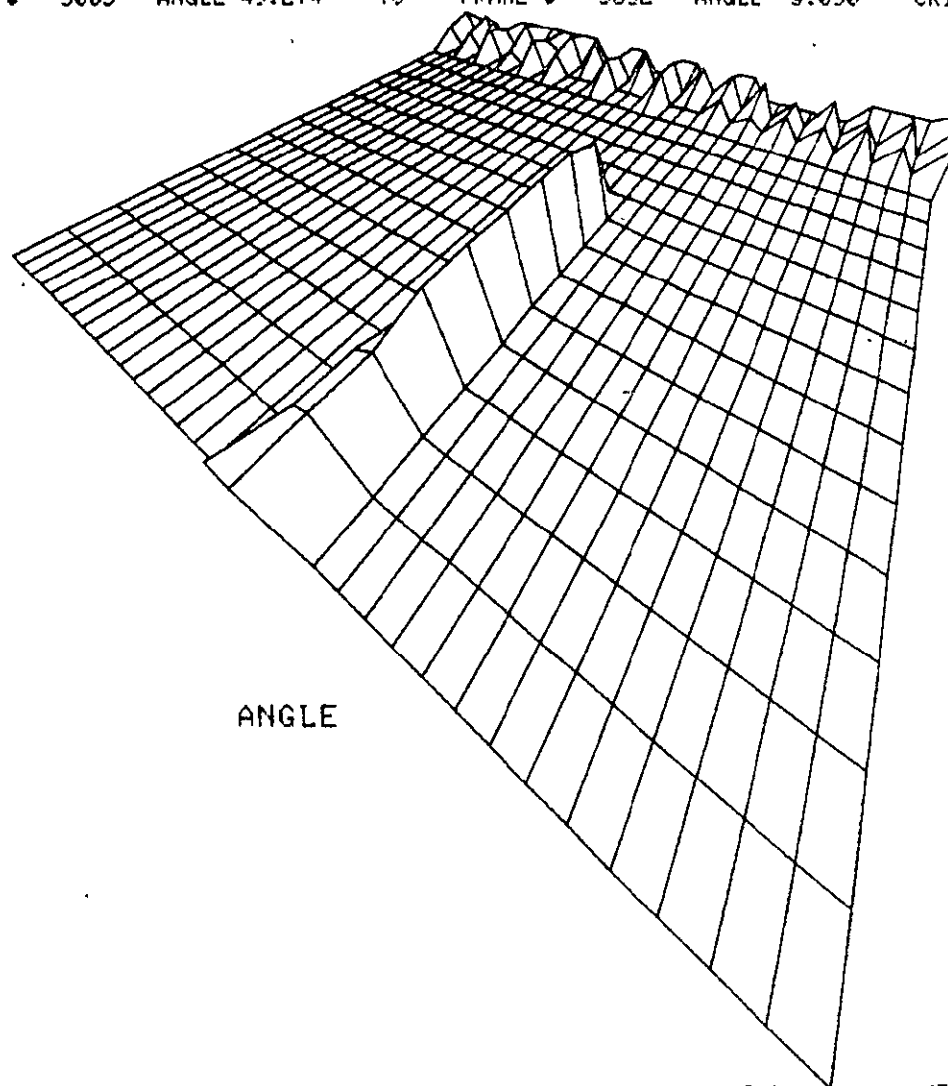
OPTION # 22-1

MAXIMUM U = 8.0

AVERAGE U = 1.4

ANGLE  
 1 44.9  
 2 44.9  
 3 44.6  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.2  
 9 39.1  
 10 37.9  
 11 36.8  
 12 35.5  
 13 34.4  
 14 33.3  
 15 32.2  
 16 31.0  
 17 29.8  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.1  
 22 24.0  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.3  
 27 18.1  
 28 17.0  
 29 15.7  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

44.9



144.9

R  
 1 144.9  
 2 164.4  
 3 183.8  
 4 203.2  
 5 222.6  
 6 242.0  
 7 261.5  
 8 280.9  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.4  
 15 416.8  
 16 436.2  
 17 455.1

R

ORIGINAL PAGE IS  
 OF POOR QUALITY

9.4

475.1

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT 1 = 5

NASA PROJECT DUST DEVIL DAY 235 RUN # 4 T-PE 1 OF 2- 6110  
 \* SCAN # 6 FRAME # 5005 ANGLE 45.274 TO FRAME # 5632 ANGLE 9.050 CRITICAL AMP AT CELL 62

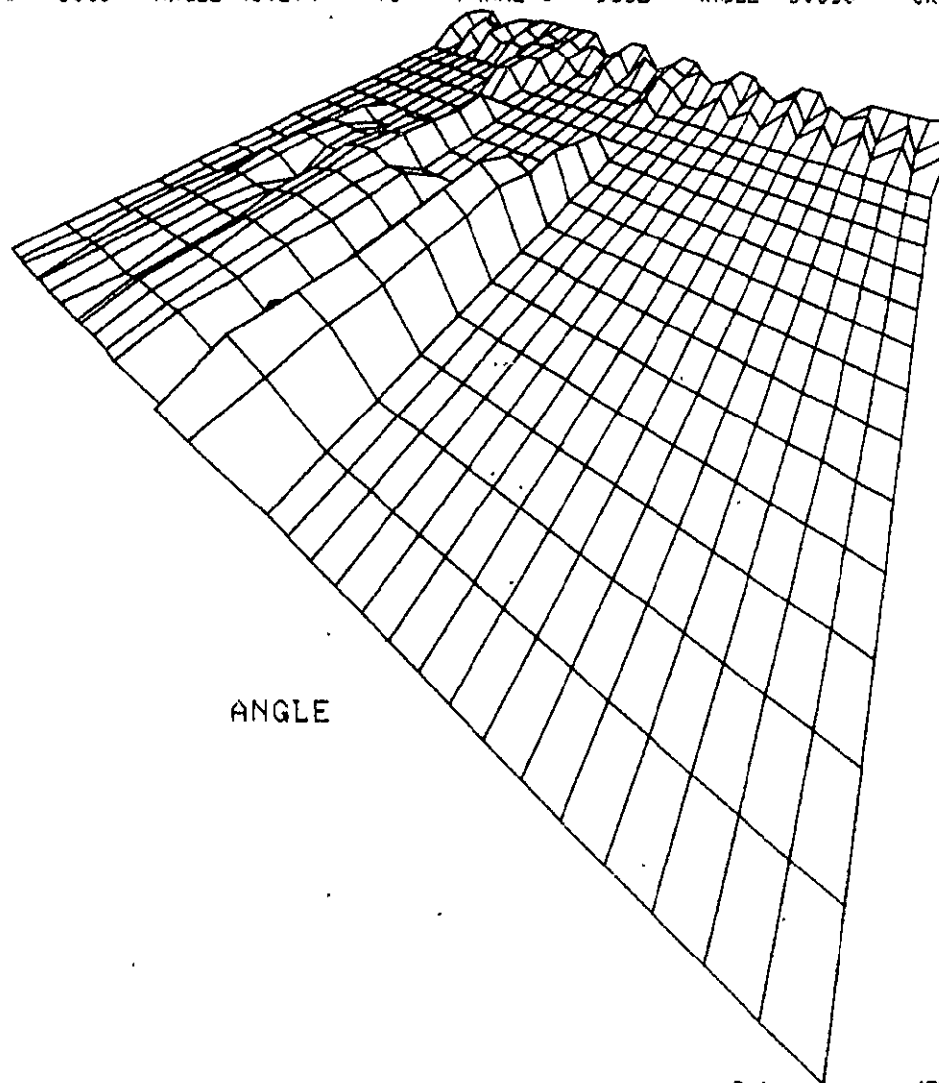
OPTION # 22-2

MAXIMUM U = 17.0

AVERAGE U = 2.6

ANGLE  
 1 44.9  
 2 44.9  
 3 44.6  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.2  
 9 39.1  
 10 37.9  
 11 36.8  
 12 35.5  
 13 34.4  
 14 33.3  
 15 32.2  
 16 31.0  
 17 29.8  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.1  
 22 24.0  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.3  
 27 18.1  
 28 17.0  
 29 15.7  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

44.9



ANGLE

9.4

144.9

R

R  
 1 144.9  
 2 164.4  
 3 183.6  
 4 203.2  
 5 222.6  
 6 242.0  
 7 261.5  
 8 280.9  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.4  
 15 416.8  
 16 436.2  
 17 455.1

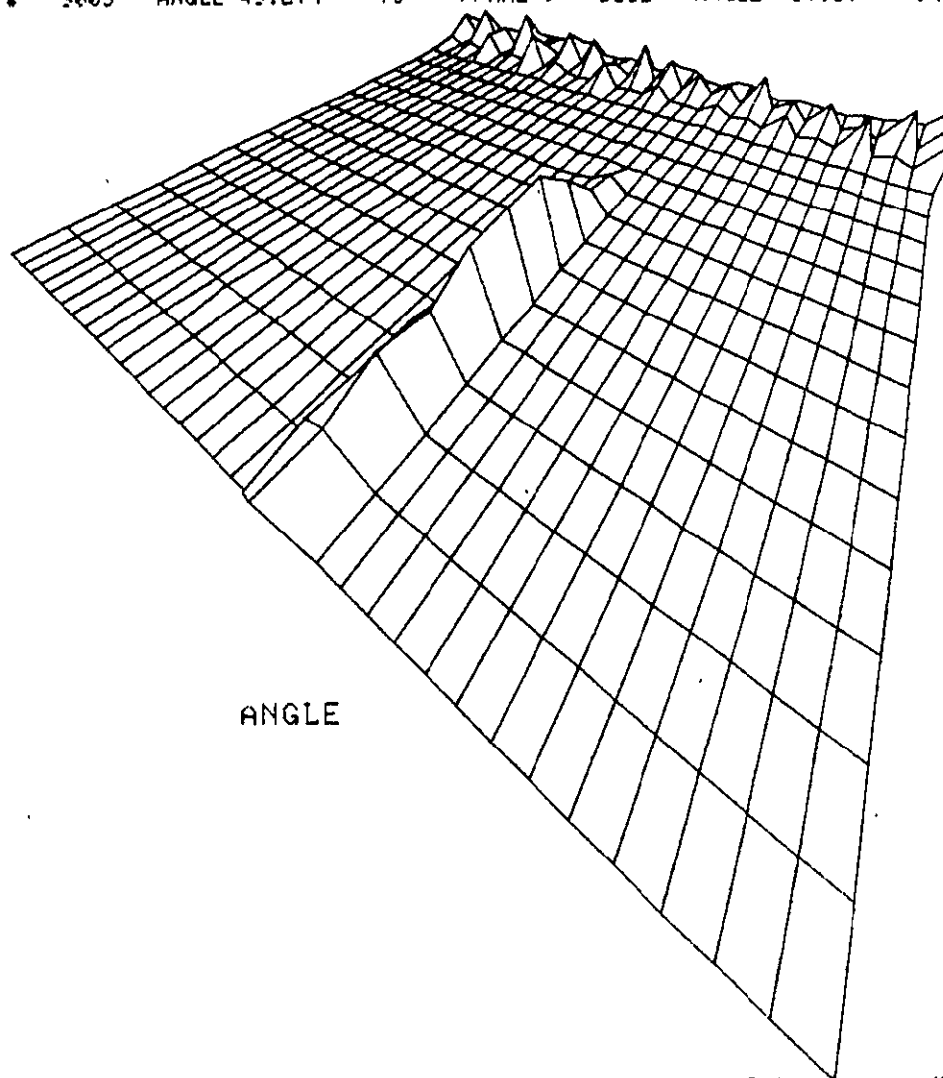
475.1

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 6 FRAME # 5005 ANGLE 45.274 TO FRAME # 5636 ANGLE 9.050 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 44.9  
 2 44.9  
 3 44.6  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.2  
 9 39.1  
 10 37.9  
 11 36.8  
 12 35.5  
 13 34.4  
 14 33.3  
 15 32.2  
 16 31.0  
 17 29.8  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.1  
 22 24.0  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.3  
 27 18.1  
 28 17.0  
 29 15.7  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

44.9



144.9

R  
 1 144.9  
 2 164.4  
 3 183.8  
 4 203.2  
 5 222.6  
 6 242.0  
 7 261.5  
 8 280.9  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.4  
 15 416.8  
 16 436.2  
 17 455.1

R

ANGLE

9.4

475.1

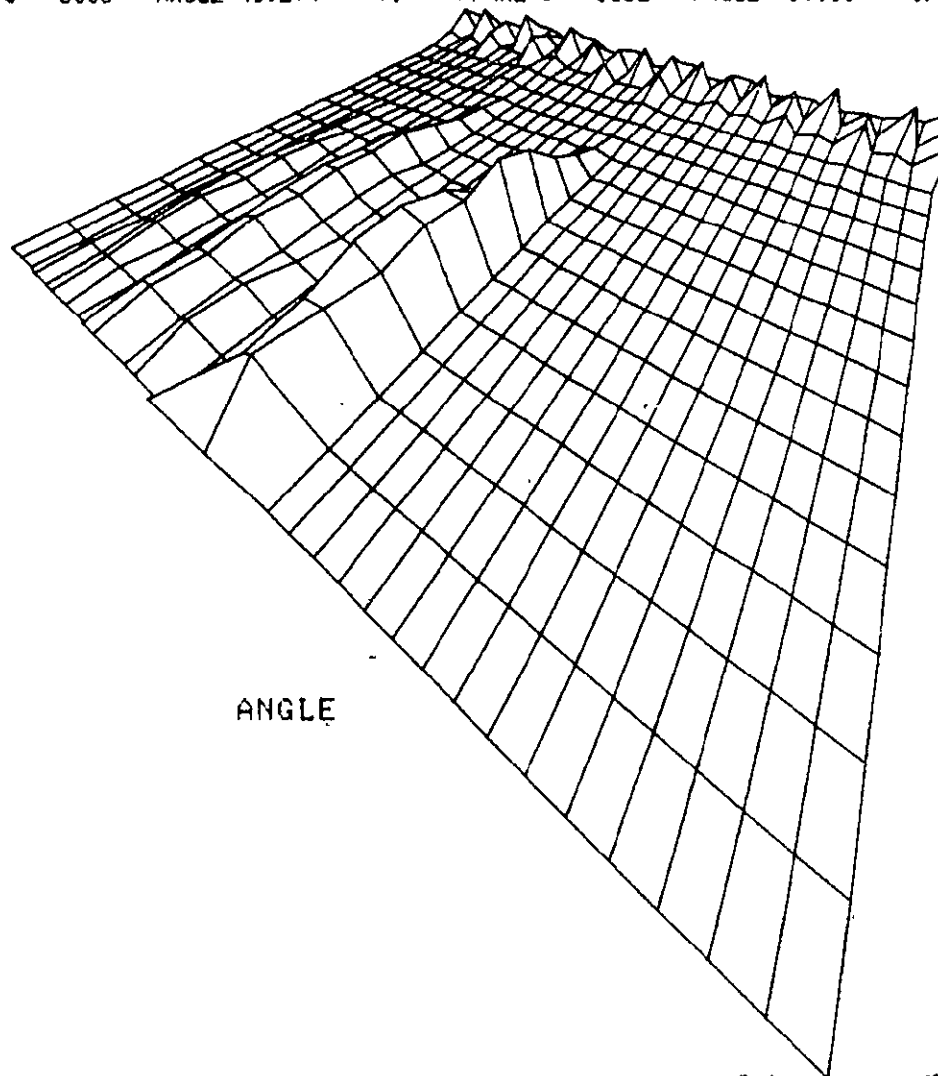
U \* I<sub>MAX</sub>, R, A DISPLAY



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 6 FRAME # 5005 ANGLE 45.274' TO FRAME # 5632 ANGLE 9.050 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 44.9  
 2 44.9  
 3 44.6  
 4 44.2  
 5 43.4  
 6 42.4  
 7 41.4  
 8 40.2  
 9 39.1  
 10 37.9  
 11 36.8  
 12 35.5  
 13 34.4  
 14 33.3  
 15 32.2  
 16 31.0  
 17 29.8  
 18 28.7  
 19 27.6  
 20 26.4  
 21 25.1  
 22 24.0  
 23 22.8  
 24 21.6  
 25 20.5  
 26 19.3  
 27 18.1  
 28 17.0  
 29 15.7  
 30 14.6  
 31 13.4  
 32 12.2  
 33 11.0  
 34 9.9  
 35 9.4

44.9



ANGLE

9.4

144.9

R

R  
 1 144.9  
 2 164.4  
 3 183.8  
 4 203.2  
 5 222.6  
 6 242.0  
 7 261.5  
 8 280.9  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.4  
 15 416.8  
 16 436.2  
 17 455.1

475.1

U \* I<sub>MAX</sub>, R, A DISPLAY

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NASA PROJECT DUST DEVIL DAY 208 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 7 FRAME # 5887 ANGLE 9.353 TO FRAME # 6502 ANGLE 64.942 CRITICAL AMP AT CELL 62

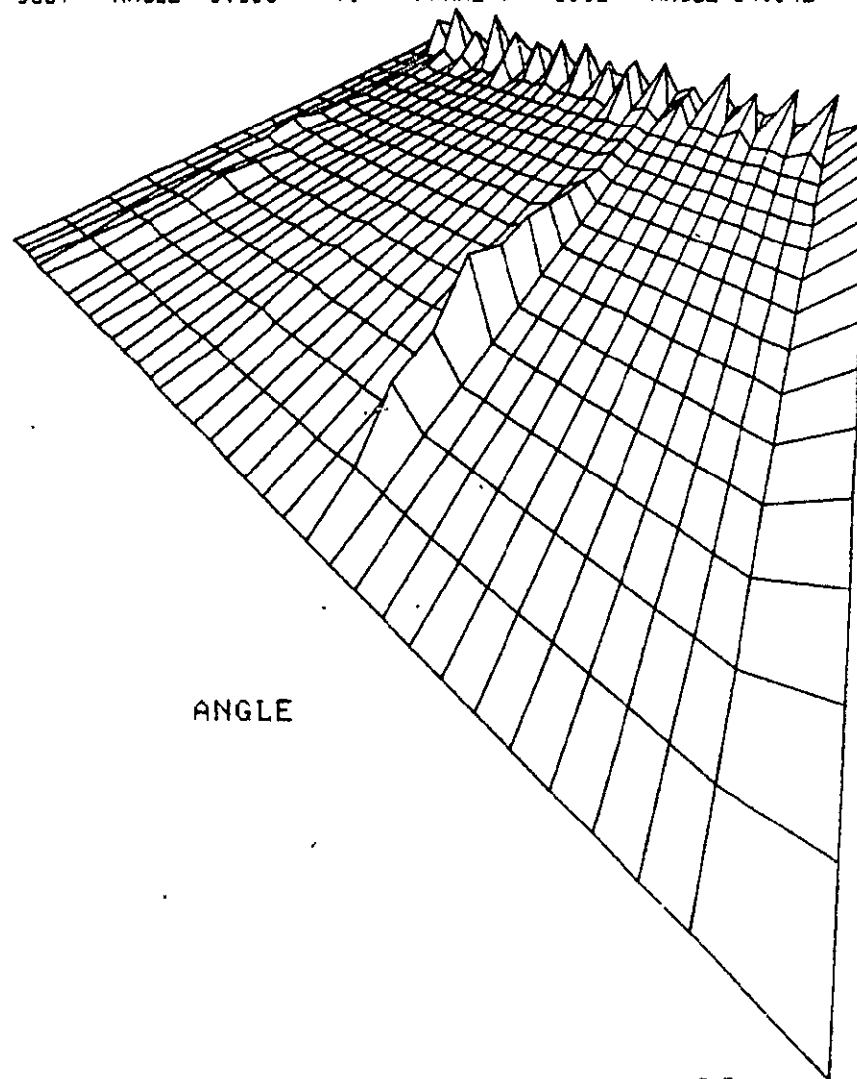
OPTION # 11-1

MAXIMUM I = 43.0

AVERAGE I = 3.1

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.7  
 5 13.2  
 6 14.7  
 7 16.5  
 8 18.3  
 9 20.0  
 10 21.7  
 11 23.5  
 12 25.2  
 13 27.0  
 14 28.8  
 15 30.6  
 16 32.2  
 17 34.0  
 18 35.8  
 19 37.5  
 20 39.2  
 21 40.9  
 22 42.7  
 23 44.4  
 24 46.1  
 25 47.7  
 26 49.5  
 27 51.2  
 28 53.0  
 29 54.7  
 30 56.3  
 31 58.1  
 32 59.9  
 33 61.8  
 34 63.5  
 35 64.6

64.6



150.2

R  
 1 150.2  
 2 168.8  
 3 187.4  
 4 206.1  
 5 224.7  
 6 243.3  
 7 261.9  
 8 280.5  
 9 299.1  
 10 317.7  
 11 336.3  
 12 354.9  
 13 373.6  
 14 392.2  
 15 410.3  
 16 429.4  
 17 466.6

R

9.5

466.6

IMAX, R, A DISPLAY

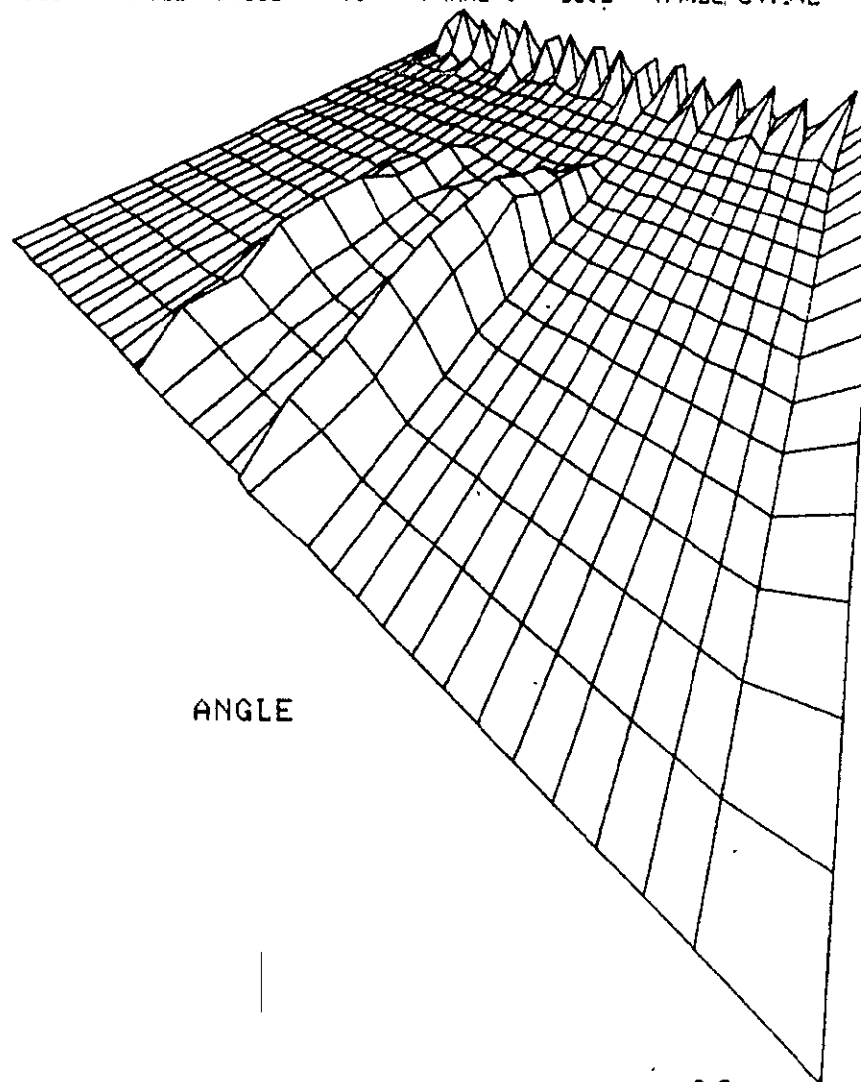
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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 7 FRAME # 5287 ANGLE 9.353 TO FRAME # 5502 ANGLE 64.242 CRITICAL AMP AT CELL 62  
 OPTION # 11-2

MAXIMUM I = 66.0  
 AVERAGE I = 7.3

ANGLE
1 9.5
2 10.0
3 10.6
4 11.7
5 13.2
6 14.7
7 16.5
8 18.3
9 20.0
10 21.7
11 23.5
12 25.2
13 27.0
14 28.8
15 30.6
16 32.2
17 34.0
18 35.8
19 37.5
20 39.2
21 40.9
22 42.7
23 44.4
24 46.1
25 47.7
26 49.5
27 51.2
28 53.0
29 54.7
30 56.3
31 58.1
32 59.9
33 61.8
34 63.5
35 64.6

64.6



150.2

R
1 150.2
2 168.8
3 187.4
4 206.1
5 224.7
6 243.3
7 261.9
8 280.5
9 299.1
10 317.7
11 336.3
12 354.9
13 373.6
14 392.2
15 410.8
16 429.4
17 448.0

R

ANGLE

9.5

466.6

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 7 FRAME # 5887 ANGLE 9.355 TO FRAME # 6502 ANGLE 64.942 CRITICAL AMP AT CELL 62

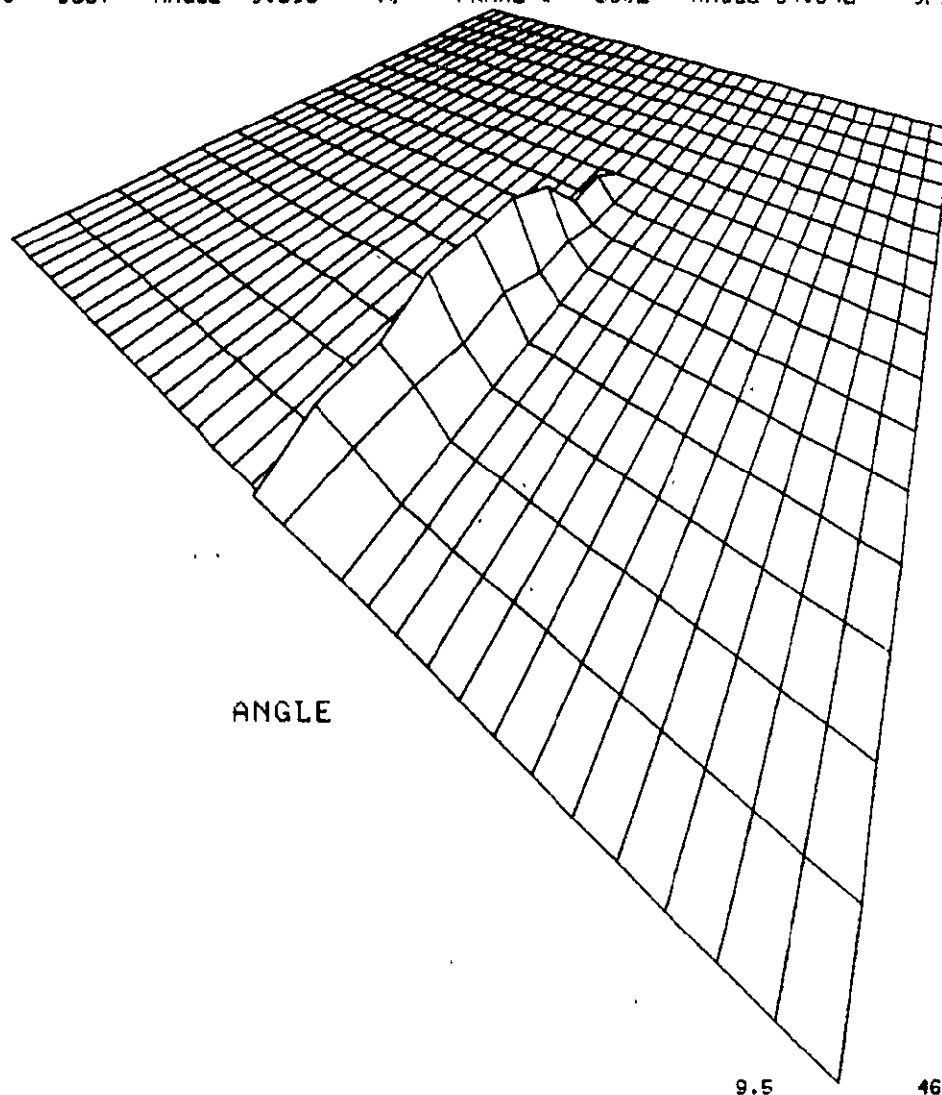
OPTION # 12-1

MAXIMUM I = 54.0

AVERAGE I = 0.9

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.7  
 5 13.2  
 6 14.7  
 7 16.5  
 8 18.3  
 9 20.0  
 10 21.7  
 11 23.5  
 12 25.2  
 13 27.0  
 14 28.8  
 15 30.6  
 16 32.2  
 17 34.0  
 18 35.8  
 19 37.5  
 20 39.2  
 21 40.9  
 22 42.7  
 23 44.4  
 24 46.1  
 25 47.7  
 26 49.5  
 27 51.2  
 28 53.0  
 29 54.7  
 30 56.3  
 31 58.1  
 32 59.9  
 33 61.8  
 34 63.5  
 35 64.6

64.6



150.2

R  
 1 150.2  
 2 168.8  
 3 187.4  
 4 206.1  
 5 224.7  
 6 243.3  
 7 261.9  
 8 280.5  
 9 299.1  
 10 317.7  
 11 336.3  
 12 354.9  
 13 373.6  
 14 392.2  
 15 410.8  
 16 429.4  
 17 446.6

R

ANGLE

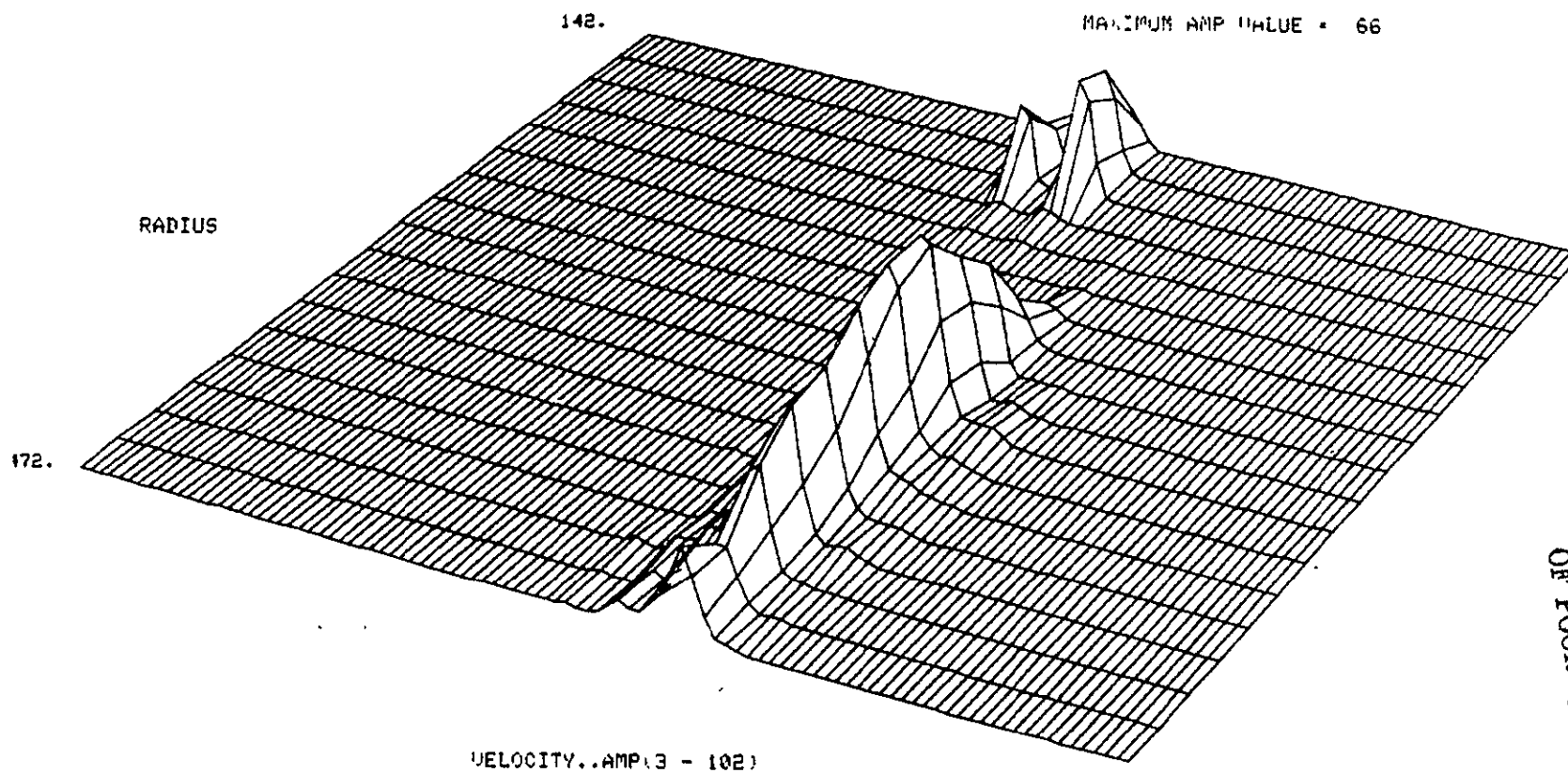
9.5

466.6

I, R, A DISPLAY AT VELOCITY CELL 62

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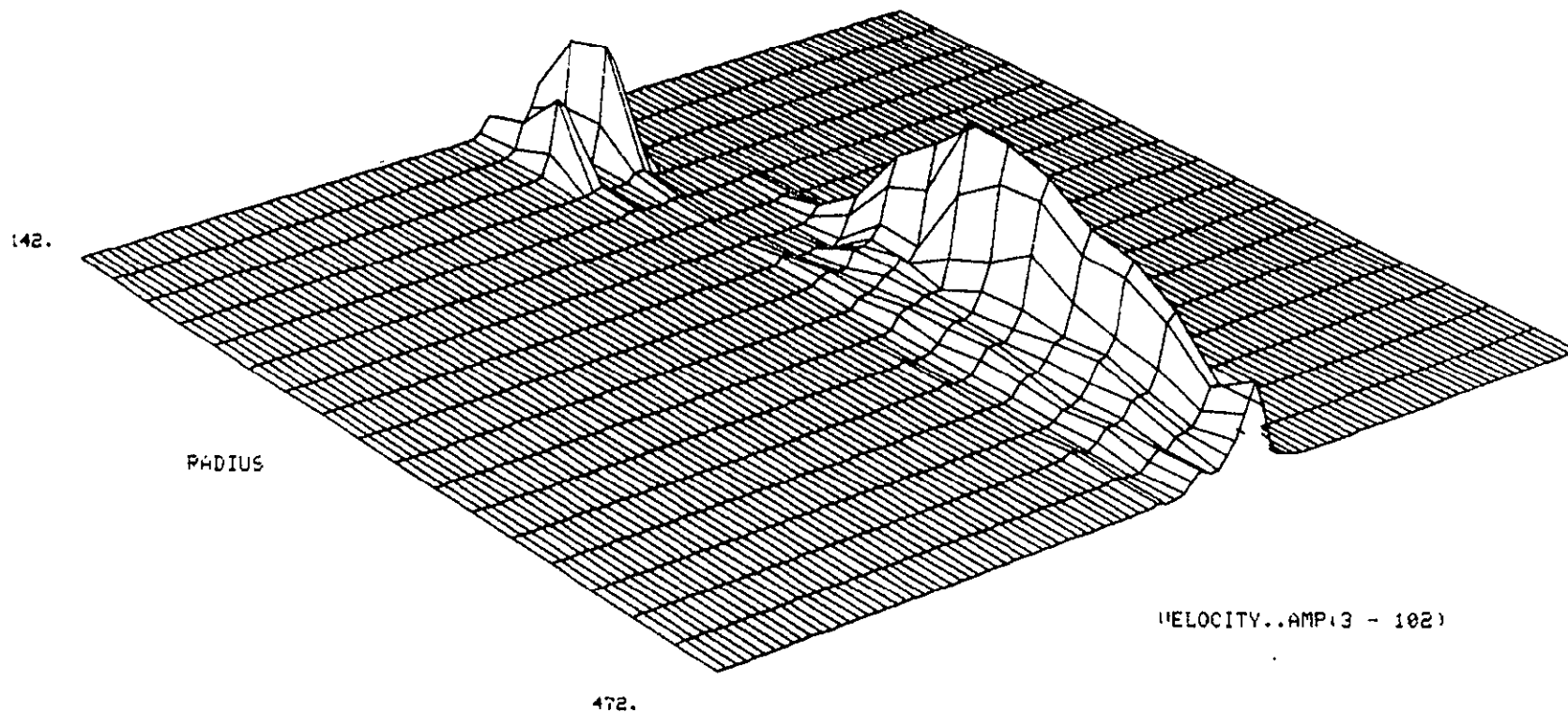
NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 7 FRAME # 5887 ANGLE 9.358 TO FRAME # 6502 ANGLE 64.942 CRITICAL AMP AT CELL # 62  
 FRAME # 6126 TO 6144  
 ANGLE # 30.62  
 MAXIMUM AMP VALUE # 66



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\*

NASA PROJECT DUST DEVIL DAY 230 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 7 FRAME # 5887 ANGLE 9.358 TO FRAME # 6502 ANGLE 64.942 CRITICAL AMP AT CELL 62  
 FRAME # 6126 TO 6144  
 ANGLE = 30.62  
 MAXIMUM AMP VALUE = 66



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 7 FRAME # 5387 ANGLE 9.352 TO FRAME # 6502 ANGLE 64.942 OPTICAL AMP AT CELL 62

OPTION # 21-1

MAXIMUM U = 55.0

AVERAGE U = 3.0

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.7  
 5 13.2  
 6 14.7  
 7 16.5  
 8 18.3  
 9 20.0  
 10 21.7  
 11 23.5  
 12 25.2  
 13 27.0  
 14 28.8  
 15 30.6  
 16 32.2  
 17 34.0  
 18 35.8  
 19 37.5  
 20 39.2  
 21 40.9  
 22 42.7  
 23 44.4  
 24 46.1  
 25 47.7  
 26 49.5  
 27 51.2  
 28 53.0  
 29 54.7  
 30 56.3  
 31 58.1  
 32 59.9  
 33 61.8  
 34 63.5  
 35 64.6

64.6

ANGLE

9.5

466.6

150.2

U

R  
 1 150.2  
 2 168.8  
 3 187.4  
 4 206.1  
 5 224.7  
 6 243.3  
 7 261.9  
 8 280.5  
 9 299.1  
 10 317.7  
 11 336.3  
 12 354.9  
 13 373.6  
 14 392.2  
 15 410.8  
 16 429.4  
 17 448.0

U, R, A DISPLAY (VELOCITY AT I MAX)

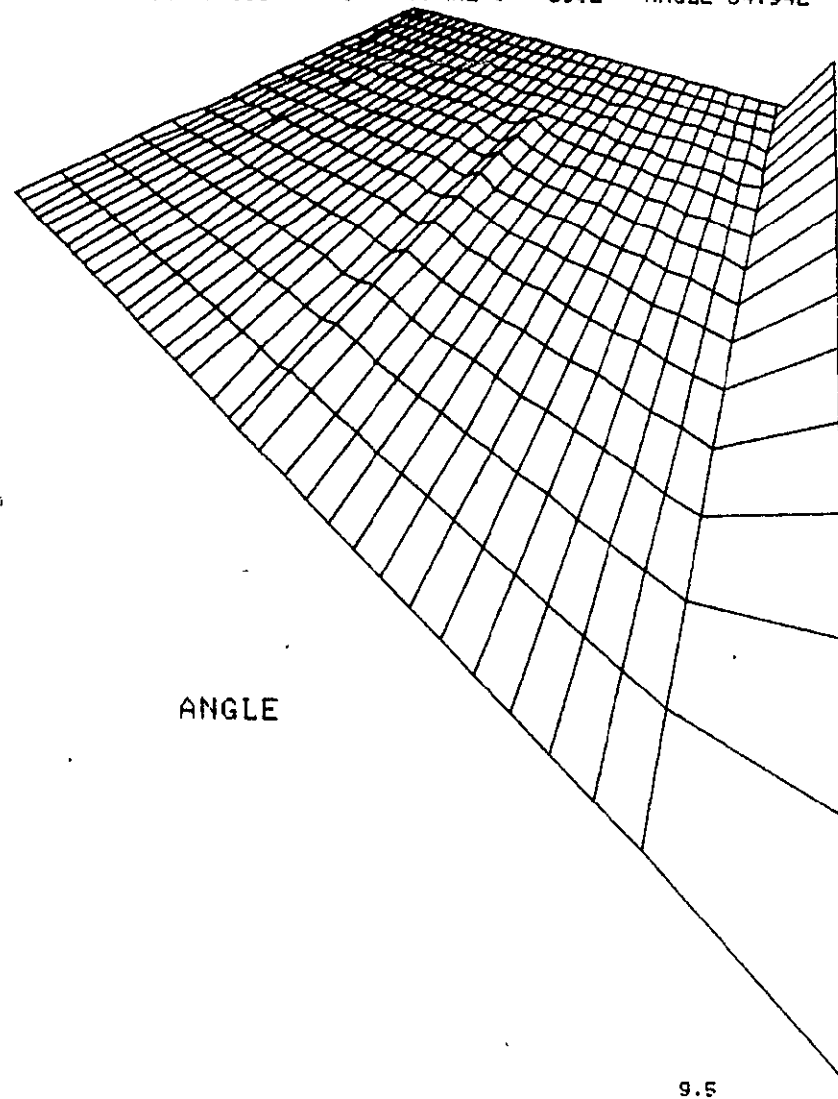
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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 7 FRAME # 5887 ANGLE 9.356 TO FRAME # 6502 ANGLE 64.942 OPTICAL AMP AT CELL 62  
 OPTION # 21-2

MAXIMUM U = 56.0  
 AVERAGE U = 4.7

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.7  
 5 13.2  
 6 14.7  
 7 16.5  
 8 18.3  
 9 20.0  
 10 21.7  
 11 23.5  
 12 25.2  
 13 27.0  
 14 28.8  
 15 30.6  
 16 32.2  
 17 34.0  
 18 35.8  
 19 37.5  
 20 39.2  
 21 40.9  
 22 42.7  
 23 44.4  
 24 46.1  
 25 47.7  
 26 49.5  
 27 51.2  
 28 53.0  
 29 54.7  
 30 56.3  
 31 58.1  
 32 59.9  
 33 61.8  
 34 63.5  
 35 64.6

64.6



150.2

R  
 1 150.2  
 2 168.8  
 3 187.4  
 4 206.1  
 5 224.7  
 6 243.3  
 7 261.9  
 8 280.5  
 9 299.1  
 10 317.7  
 11 336.3  
 12 354.9  
 13 373.6  
 14 392.2  
 15 410.8  
 16 429.4  
 17 448.0

R

ANGLE

9.5

466.6

U, R, A DISPLAY (VELOCITY AT IMAX)

ORIGINAL PAGE IS  
 OF POOR QUALITY



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 7 FRAME # 5887 ANGLE 9.358 TO FRAME # 6502 ANGLE 64.942 CRITICAL AMP AT CELL 62

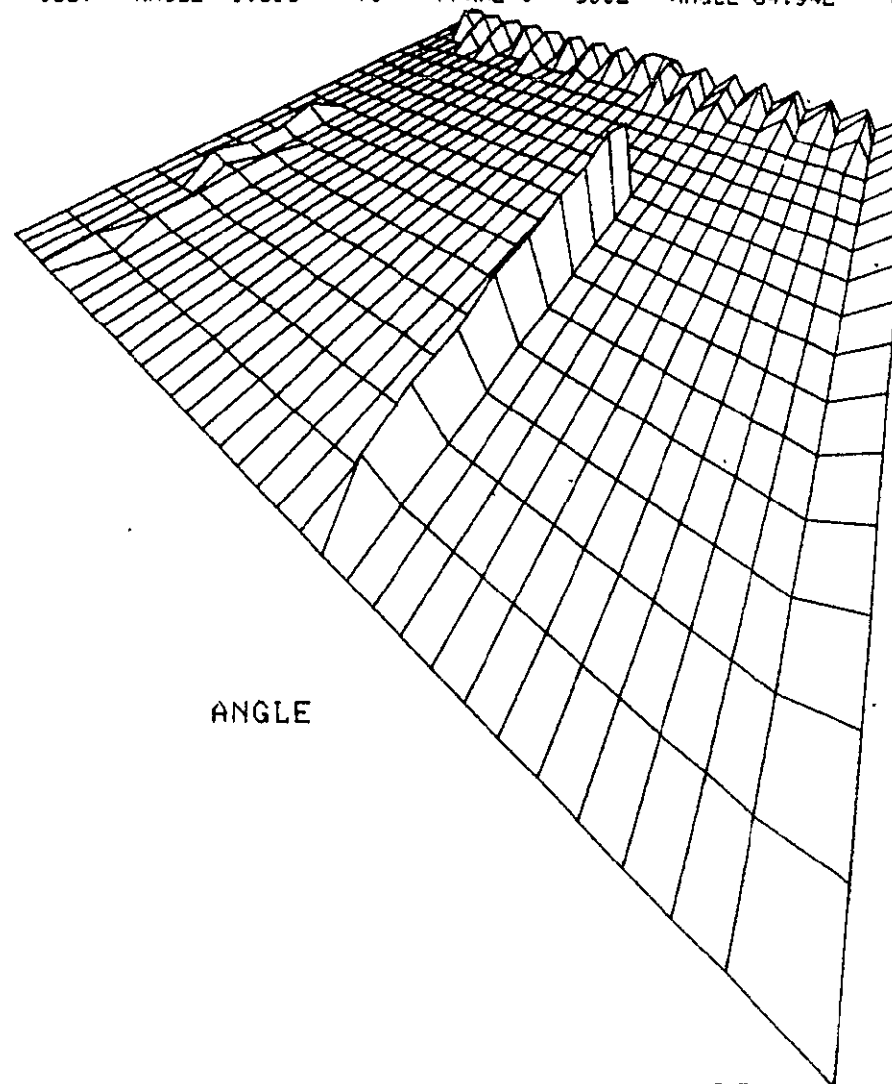
OPTION # 22-1

MAXIMUM U = 9.0

AVERAGE U = 1.4

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.7  
 5 13.2  
 6 14.7  
 7 16.5  
 8 18.3  
 9 20.0  
 10 21.7  
 11 23.5  
 12 25.2  
 13 27.0  
 14 28.8  
 15 30.6  
 16 32.2  
 17 34.0  
 18 35.8  
 19 37.5  
 20 39.2  
 21 40.9  
 22 42.7  
 23 44.4  
 24 46.1  
 25 47.7  
 26 49.5  
 27 51.2  
 28 53.0  
 29 54.7  
 30 56.3  
 31 58.1  
 32 59.9  
 33 61.8  
 34 63.5  
 35 64.6

64.6



150.2

R  
 1 150.2  
 2 168.8  
 3 187.4  
 4 206.1  
 5 224.7  
 6 243.3  
 7 261.9  
 8 280.5  
 9 299.1  
 10 317.7  
 11 336.3  
 12 354.9  
 13 373.6  
 14 392.2  
 15 410.8  
 16 429.4  
 17 466.6

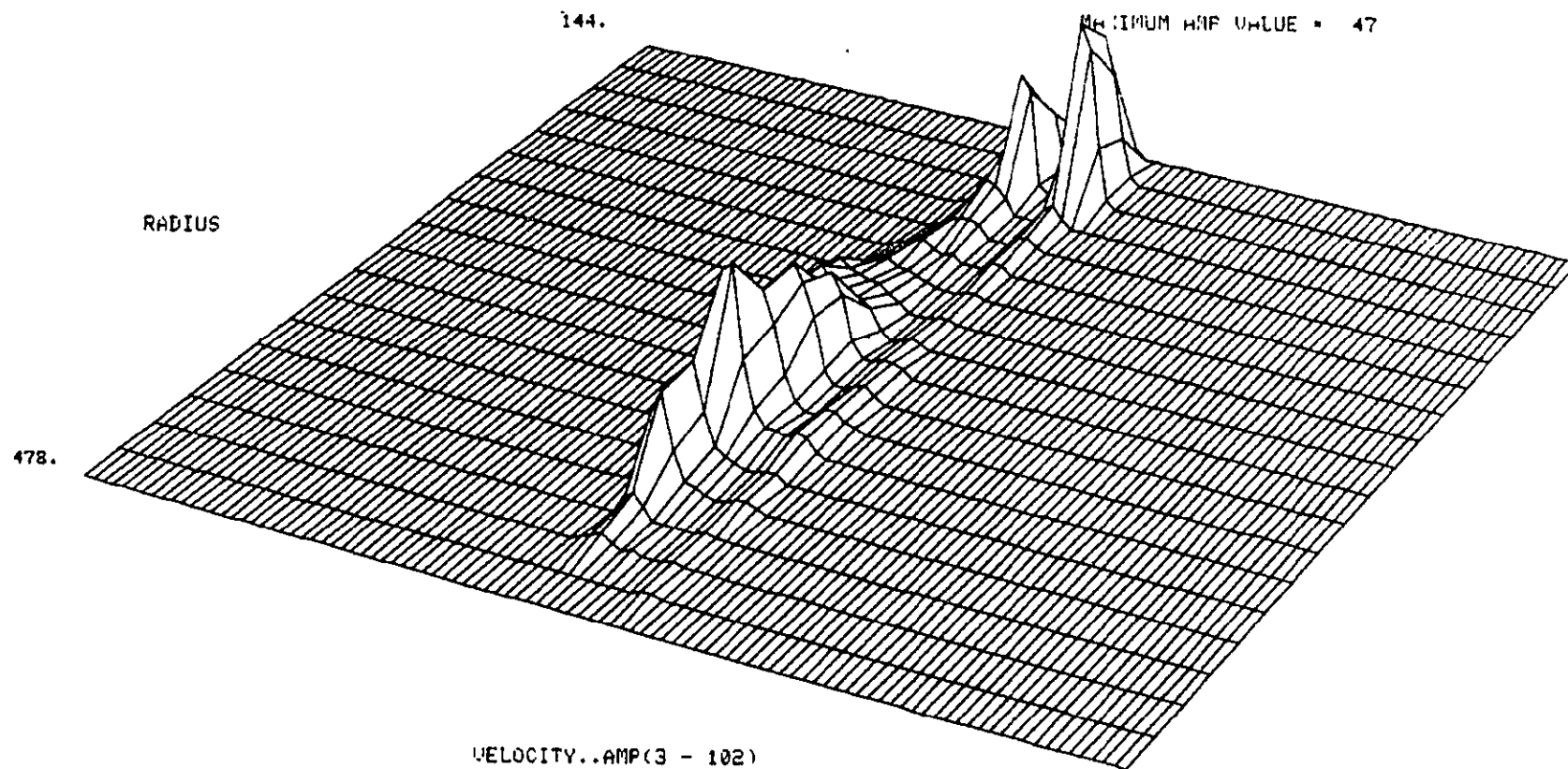
R

9.5

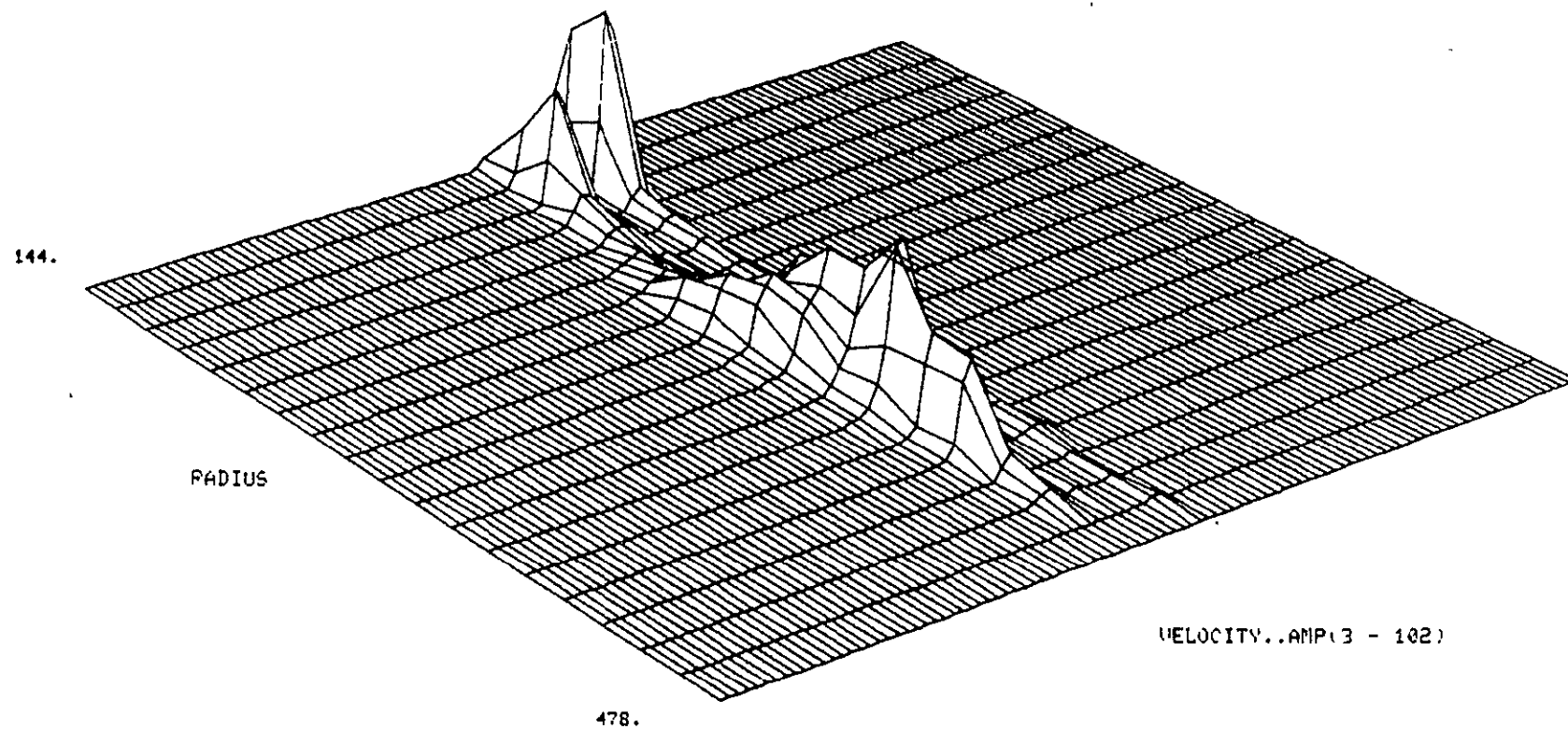
466.6

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

\* NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TRACE 1 OF 3- 6110  
 SCAN # 7 FRAME # 5887 ANGLE 9.358 TO FRAME # 6502 ANGLE 64.942 CRITICAL AMP AT CELL 62  
 FRAME # 6039 TO 6103  
 ANGLE = 27.05  
 MAXIMUM AMP VALUE = 47



\* NASA PROJECT IUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 7 FRAME # 5887 ANGLE 9.358 TO FRAME # 6502 ANGLE 64.942 CRITICAL AMP AT CELL 62  
 FRAME # 6089 TO 6108  
 ANGLE = 27.05  
 MAXIMUM AMP VALUE = 47



NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 7 FRAME # 5887 ANGLE 9.358 TO FRAME # 6502 ANGLE 64.242 CRITICAL AMP AT CELL 62

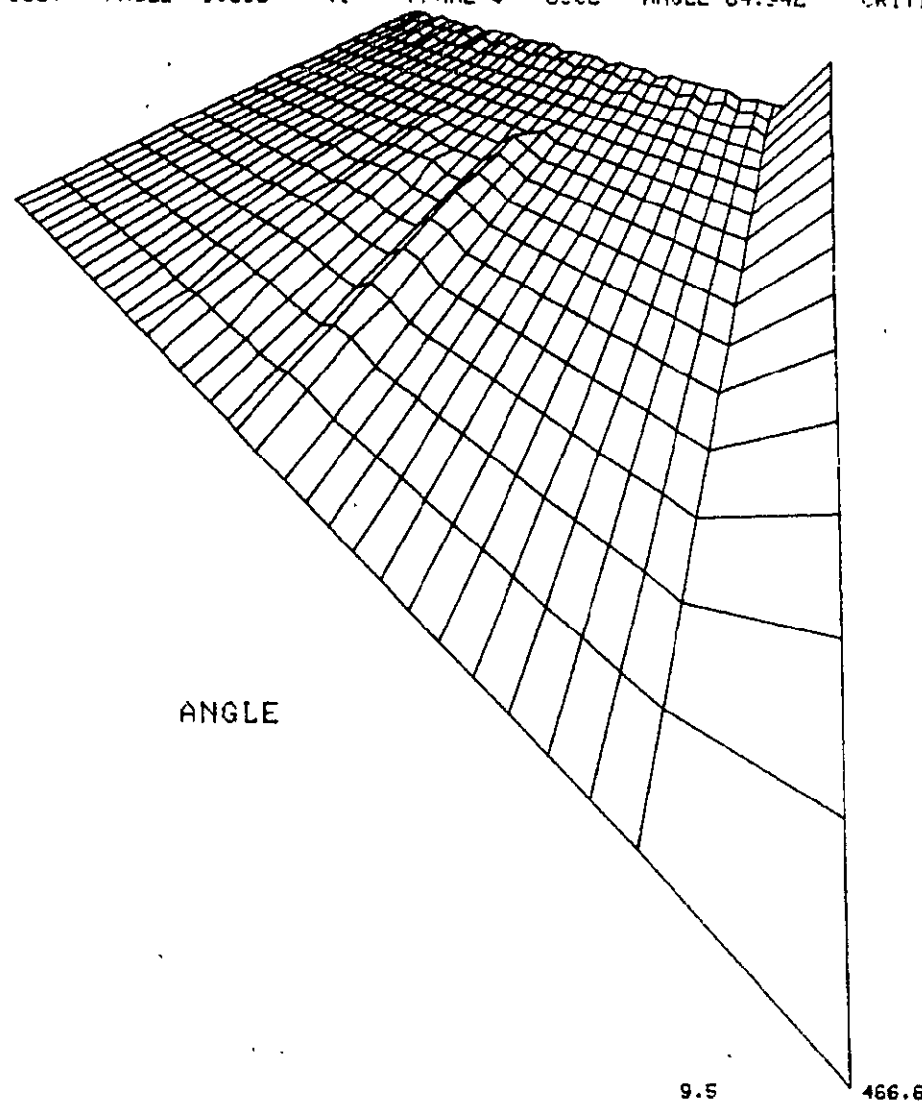
OPTION # 22-2

MAXIMUM U = 58.0

AVERAGE U = 3.7

ANGLE
1 9.5
2 10.0
3 10.6
4 11.7
5 13.2
6 14.7
7 16.5
8 18.3
9 20.0
10 21.7
11 23.5
12 25.2
13 27.0
14 28.8
15 30.6
16 32.2
17 34.0
18 35.8
19 37.5
20 39.2
21 40.9
22 42.7
23 44.4
24 46.1
25 47.7
26 49.5
27 51.2
28 53.0
29 54.7
30 56.3
31 58.1
32 59.9
33 61.8
34 63.5
35 64.6

64.6



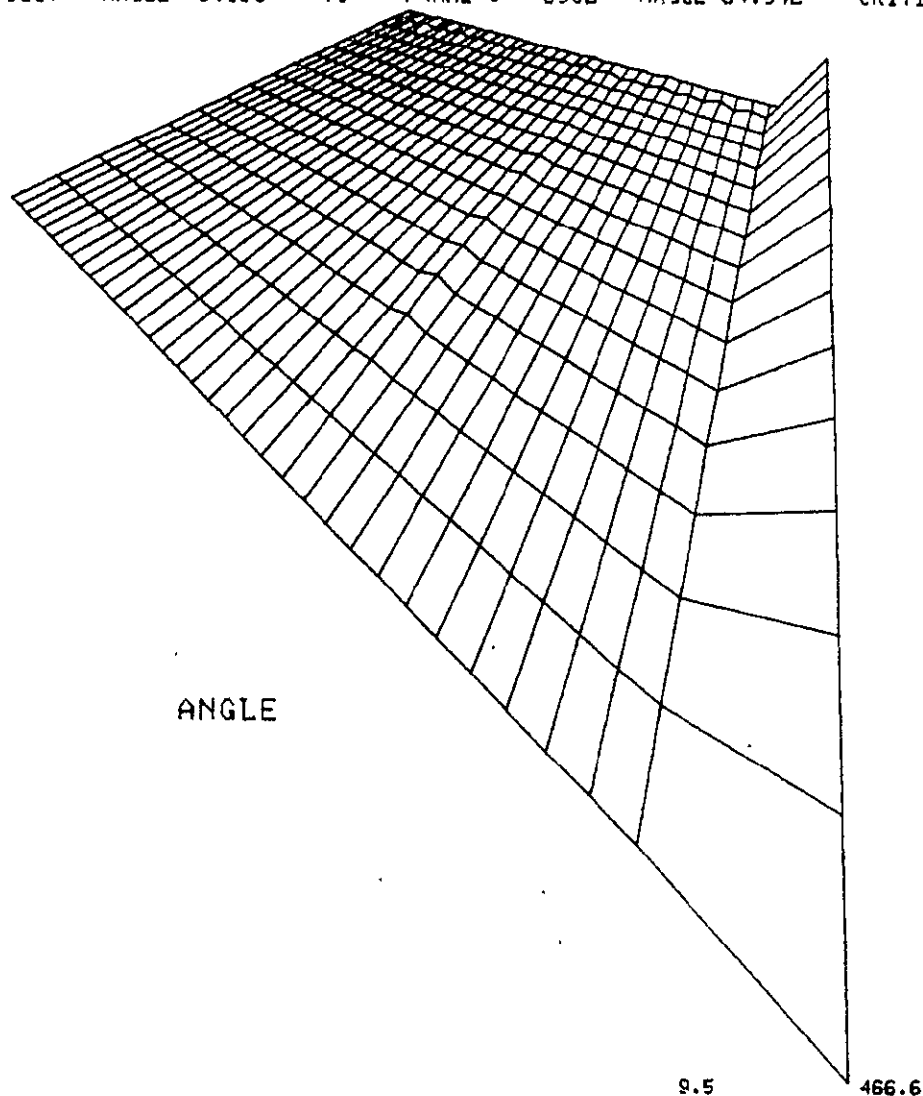
R
1 150.2
2 168.8
3 187.4
4 206.1
5 224.7
6 243.3
7 261.9
8 280.5
9 299.1
10 317.7
11 336.3
12 354.9
13 373.6
14 392.2
15 410.8
16 429.4
17 446.6

U MAX, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 7 FRAME # 5387 ANGLE 9.353 TO FRAME # 6502 ANGLE 64.942 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.7  
 5 13.2  
 6 14.7  
 7 16.5  
 8 18.3  
 9 20.0  
 10 21.7  
 11 23.5  
 12 25.2  
 13 27.0  
 14 28.8  
 15 30.6  
 16 32.2  
 17 34.0  
 18 35.8  
 19 37.5  
 20 39.2  
 21 40.9  
 22 42.7  
 23 44.4  
 24 46.1  
 25 47.7  
 26 49.5  
 27 51.2  
 28 53.0  
 29 54.7  
 30 56.3  
 31 58.1  
 32 59.9  
 33 61.8  
 34 63.5  
 35 64.6

64.6



150.2

R  
 1 150.2  
 2 168.8  
 3 187.4  
 4 206.1  
 5 224.7  
 6 243.3  
 7 261.9  
 8 280.5  
 9 299.1  
 10 317.7  
 11 336.3  
 12 354.9  
 13 373.6  
 14 392.2  
 15 410.8  
 16 429.4  
 17 466.6

R

ANGLE

9.5

466.6

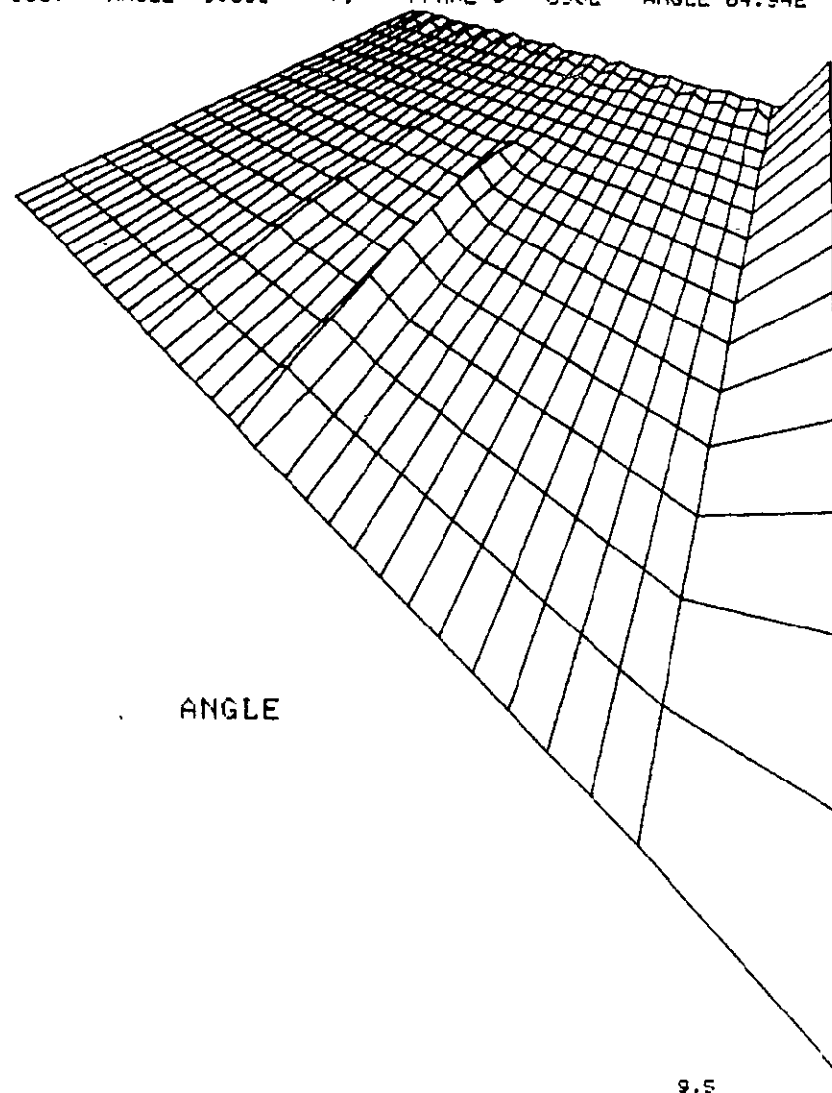
U \* I<sub>max</sub>, R, A DISPLAY

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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 255 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 7 FRAME # 5387 ANGLE 9.352 TO FRAME # 6502 ANGLE 64.942 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.7  
 5 13.2  
 6 14.7  
 7 16.5  
 8 18.3  
 9 20.0  
 10 21.7  
 11 23.5  
 12 25.2  
 13 27.0  
 14 28.8  
 15 30.6  
 16 32.2  
 17 34.0  
 18 35.8  
 19 37.5  
 20 39.2  
 21 40.9  
 22 42.7  
 23 44.4  
 24 46.1  
 25 47.7  
 26 49.5  
 27 51.2  
 28 53.0  
 29 54.7  
 30 56.3  
 31 58.1  
 32 59.9  
 33 61.8  
 34 63.5  
 35 64.6

64.6



150.2

R  
 1 150.2  
 2 168.8  
 3 187.4  
 4 206.1  
 5 224.7  
 6 243.3  
 7 261.9  
 8 280.5  
 9 299.1  
 10 317.7  
 11 336.3  
 12 354.9  
 13 373.6  
 14 392.2  
 15 410.8  
 16 429.4  
 17 466.6

Q

ANGLE

9.5

466.6

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 OF POOR QUALITY

U \* I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 8 FRAME # 6502 ANGLE 64.942 TO FRAME # 7126 ANGLE 9.326 CRITICAL AMP AT CELL 62

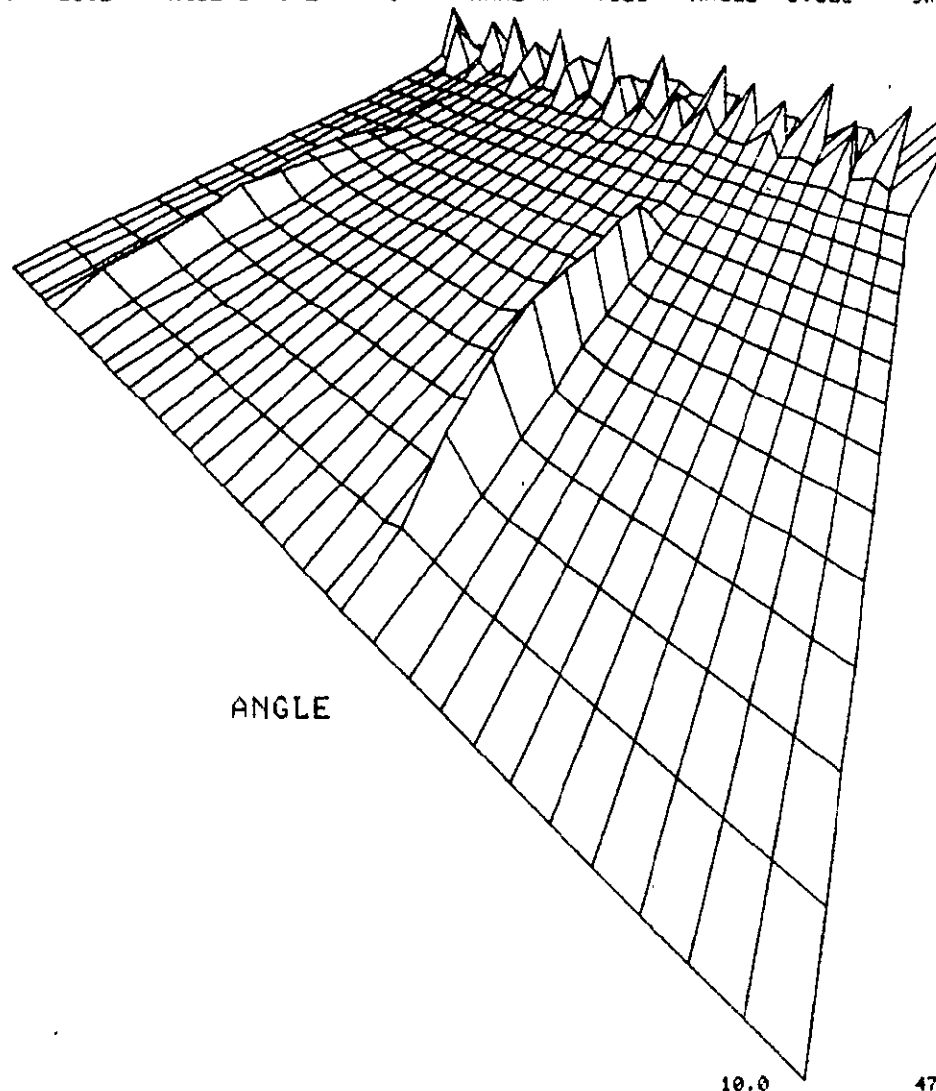
OPTION # 11-1

MAXIMUM I = 41.0

AVERAGE I = 3.0

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.8  
 6 60.1  
 7 58.3  
 8 56.6  
 9 54.8  
 10 53.0  
 11 51.3  
 12 49.6  
 13 47.9  
 14 46.2  
 15 44.5  
 16 42.9  
 17 41.1  
 18 39.4  
 19 37.7  
 20 35.9  
 21 34.1  
 22 32.4  
 23 30.7  
 24 28.9  
 25 27.2  
 26 25.3  
 27 23.6  
 28 21.8  
 29 20.0  
 30 18.3  
 31 16.5  
 32 14.8  
 33 12.9  
 34 11.2  
 35 10.0

64.6



145.0

R

R  
 1 145.0  
 2 164.2  
 3 183.4  
 4 202.7  
 5 221.9  
 6 241.1  
 7 260.3  
 8 279.6  
 9 298.8  
 10 318.0  
 11 337.2  
 12 356.5  
 13 375.7  
 14 394.9  
 15 414.1  
 16 433.4  
 17 471.8

10.0

471.8

IMAX, R, A DISPLAY

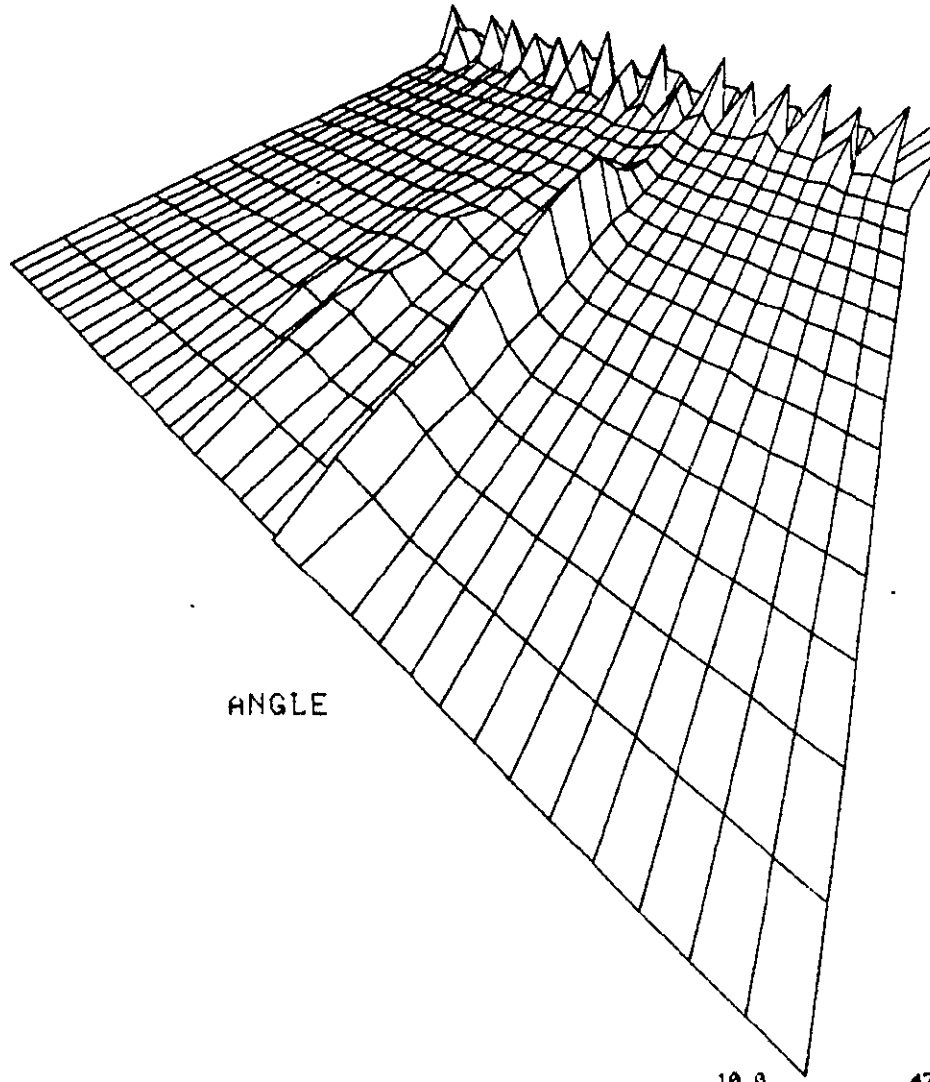
7-2

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 8 FRAME # 8502 ANGLE 64.942 TO FRAME # 7126 ANGLE 3.326 CRITICAL AMP AT CELL 62  
 OPTION # 11-2

MAXIMUM I = 71.0  
 AVERAGE I = 6.2

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.8  
 6 60.1  
 7 58.3  
 8 56.6  
 9 54.8  
 10 53.0  
 11 51.3  
 12 49.6  
 13 47.9  
 14 46.2  
 15 44.5  
 16 42.9  
 17 41.1  
 18 39.4  
 19 37.7  
 20 35.9  
 21 34.1  
 22 32.4  
 23 30.7  
 24 28.9  
 25 27.2  
 26 25.3  
 27 23.6  
 28 21.8  
 29 20.0  
 30 18.3  
 31 16.5  
 32 14.8  
 33 12.9  
 34 11.2  
 35 10.0

64.6



145.0

R  
 1 145.0  
 2 164.2  
 3 183.4  
 4 202.7  
 5 221.9  
 6 241.1  
 7 260.3  
 8 279.6  
 9 298.8  
 10 318.0  
 11 337.2  
 12 356.5  
 13 375.7  
 14 394.9  
 15 414.1  
 16 433.4  
 17 471.8

R

ANGLE

10.0

471.8

Imax, R, A DISPLAY

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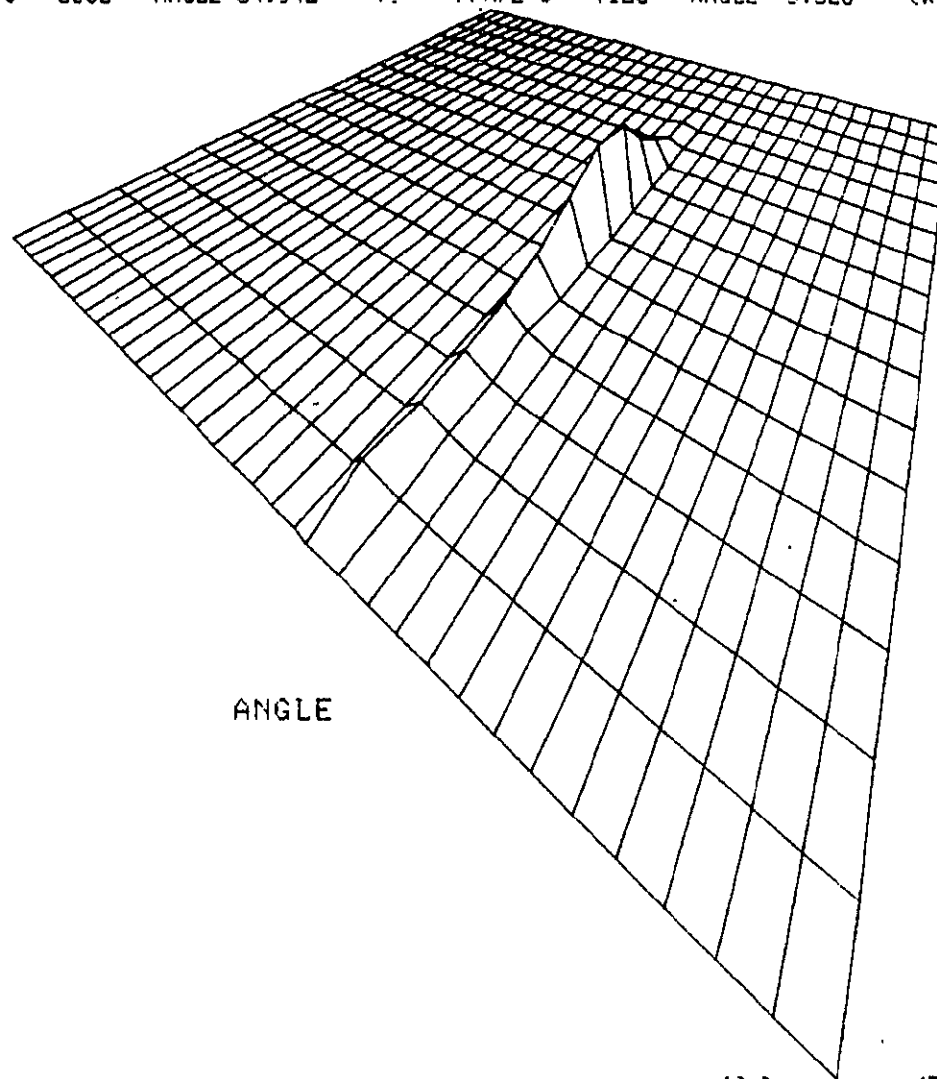


NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- E110  
 \* SCAN # 8 FRAME # 6502 ANGLE 64.942 TO FRAME # 7126 ANGLE 9.326 CRITICAL AMP AT CELL 62  
 OPTION # 12-1

MAXIMUM I = 70.0  
 AVERAGE I = 0.7

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.8  
 6 60.1  
 7 58.3  
 8 56.6  
 9 54.8  
 10 53.0  
 11 51.3  
 12 49.6  
 13 47.9  
 14 46.2  
 15 44.5  
 16 42.9  
 17 41.1  
 18 39.4  
 19 37.7  
 20 35.9  
 21 34.1  
 22 32.4  
 23 30.7  
 24 28.9  
 25 27.2  
 26 25.3  
 27 23.6  
 28 21.8  
 29 20.0  
 30 18.3  
 31 16.5  
 32 14.8  
 33 12.9  
 34 11.2  
 35 10.0

64.6



145.0

R  
 1 145.0  
 2 164.2  
 3 183.4  
 4 202.7  
 5 221.9  
 6 241.1  
 7 260.3  
 8 279.6  
 9 298.8  
 10 318.0  
 11 337.2  
 12 356.5  
 13 375.7  
 14 394.9  
 15 414.1  
 16 433.4  
 17 451.8

I

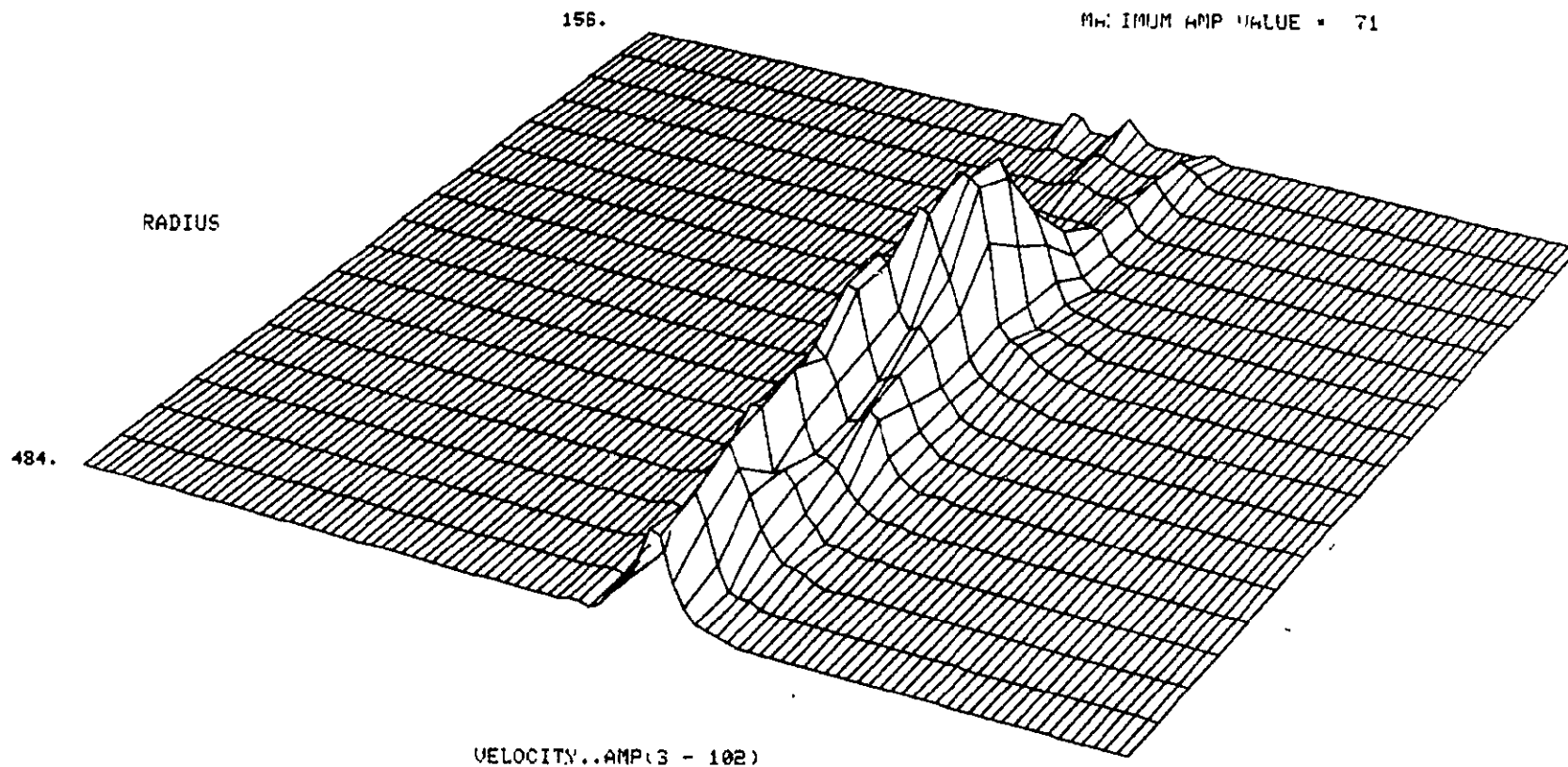
10.0

471.8

I, R, A DISPLAY AT VELOCITY CELL 62

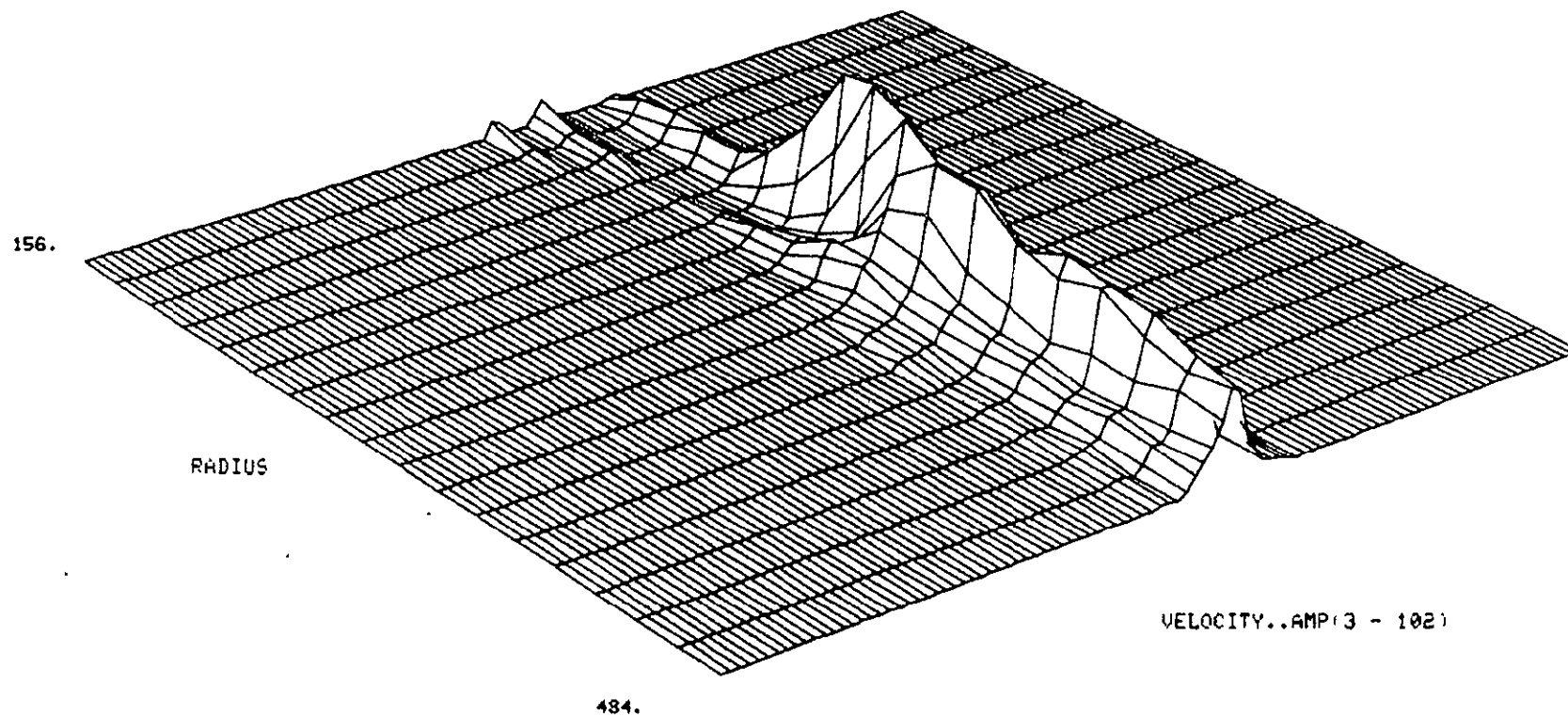
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 OF POOR QUALITY

\* NASA PROJECT DUST DEVIL DAY 233 RUN # 1 TAPE 1 OF 2- 8110  
 SCAN # 8 FRAME # 6502 ANGLE 64.942 TO FRAME # 7126 ANGLE 9.326 CRITICAL AMP AT CELL 62  
 FRAME # 6873 TO 6891  
 ANGLE = 32.37  
 MAXIMUM AMP VALUE = 71



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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 8 FRAME # 6502 ANGLE 64.942 TO FRAME # 7126 ANGLE 9.326 CRITICAL AMP AT CELL 62  
 FRAME # 6873 TO 6891  
 ANGLE = 32.37  
 MAXIMUM AMP VALUE = 71



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NASA PROJECT DUST DEVIL DAY 236 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 8 FRAME # 6502 ANGLE 64.942 TO FRAME # 7126 ANGLE 9.326 CRITICAL WMP AT CELL 62

OPTION # 21-1

MAXIMUM U = 9.0

AVERAGE U = 1.8

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.8  
 6 60.1  
 7 58.3  
 8 56.6  
 9 54.8  
 10 53.0  
 11 51.3  
 12 49.6  
 13 47.9  
 14 46.2  
 15 44.5  
 16 42.9  
 17 41.1  
 18 39.4  
 19 37.7  
 20 35.9  
 21 34.1  
 22 32.4  
 23 30.7  
 24 28.9  
 25 27.2  
 26 25.3  
 27 23.6  
 28 21.8  
 29 20.0  
 30 18.3  
 31 16.5  
 32 14.8  
 33 12.9  
 34 11.2  
 35 10.0

64.6

ANGLE

10.0

145.0

R

R  
 1 145.0  
 2 164.2  
 3 183.4  
 4 202.7  
 5 221.9  
 6 241.1  
 7 260.3  
 8 279.6  
 9 298.8  
 10 318.0  
 11 337.2  
 12 356.5  
 13 375.7  
 14 394.9  
 15 414.1  
 16 433.4  
 17 471.8

471.8

U, R, A DISPLAY (VELOCITY AT I MAX)

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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TYPE 1 OF 2- 5110  
 \* SCAN # 8 FRAME # 6502 ANGLE 64.342 TO FRAME # 7126 ANGLE 9.326 CRITICAL AMP AT CELL 62

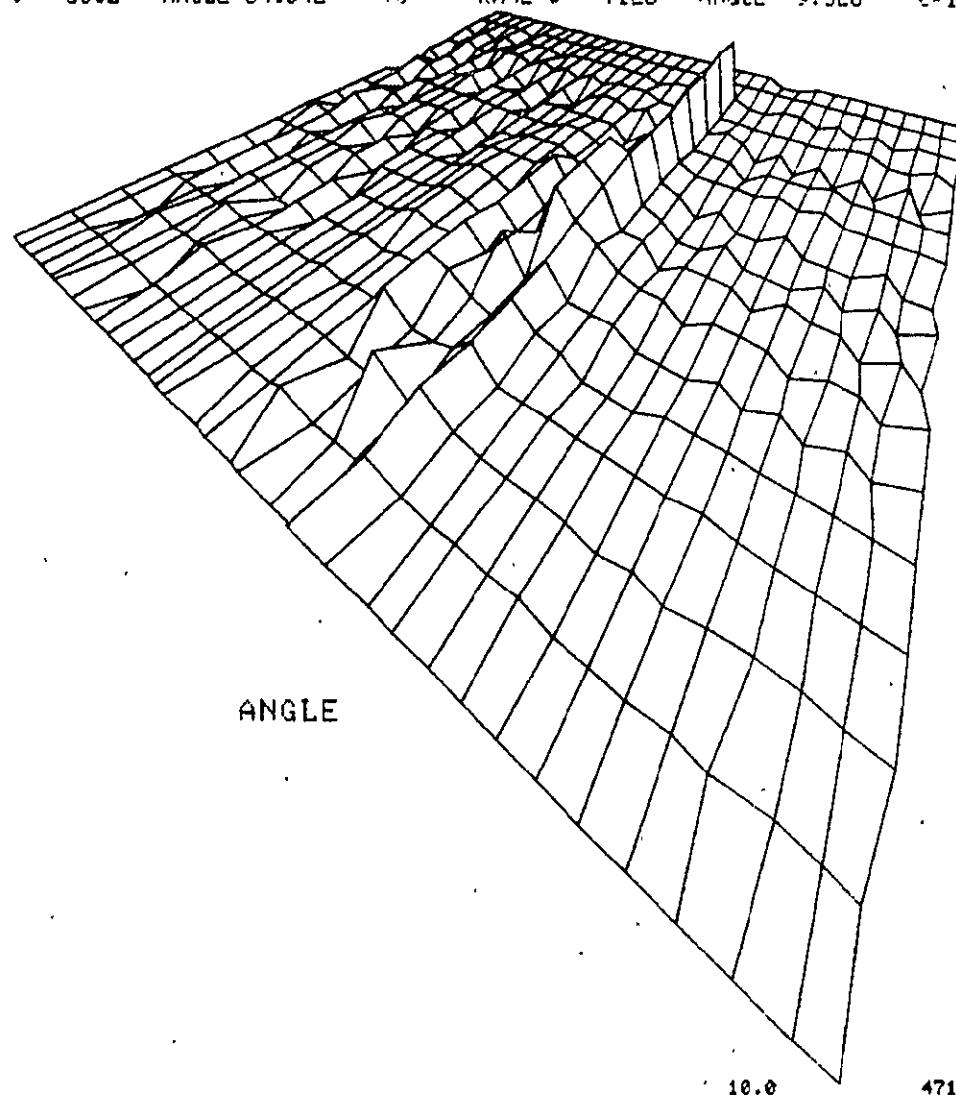
OPTION # 21-2

MAXIMUM U = 12.0

AVERAGE U = 3.3

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.8  
 6 60.1  
 7 58.3  
 8 56.6  
 9 54.8  
 10 53.0  
 11 51.3  
 12 49.6  
 13 47.9  
 14 46.2  
 15 44.5  
 16 42.9  
 17 41.1  
 18 39.4  
 19 37.7  
 20 35.9  
 21 34.1  
 22 32.4  
 23 30.7  
 24 28.9  
 25 27.2  
 26 25.3  
 27 23.6  
 28 21.8  
 29 20.0  
 30 18.3  
 31 16.5  
 32 14.8  
 33 12.9  
 34 11.2  
 35 10.0

64.6



145.0

R  
 1 145.0  
 2 164.2  
 3 183.4  
 4 202.7  
 5 221.9  
 6 241.1  
 7 260.3  
 8 279.6  
 9 298.8  
 10 318.0  
 11 337.2  
 12 356.5  
 13 375.7  
 14 394.9  
 15 414.1  
 16 433.4  
 17 471.8

R

ANGLE

10.0

471.8

U, R, A DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 8 FRAME # 6502 ANGLE 64.942 TO FRAME # 7126 ANGLE 9.326 CRITICAL AMP AT CELL 62

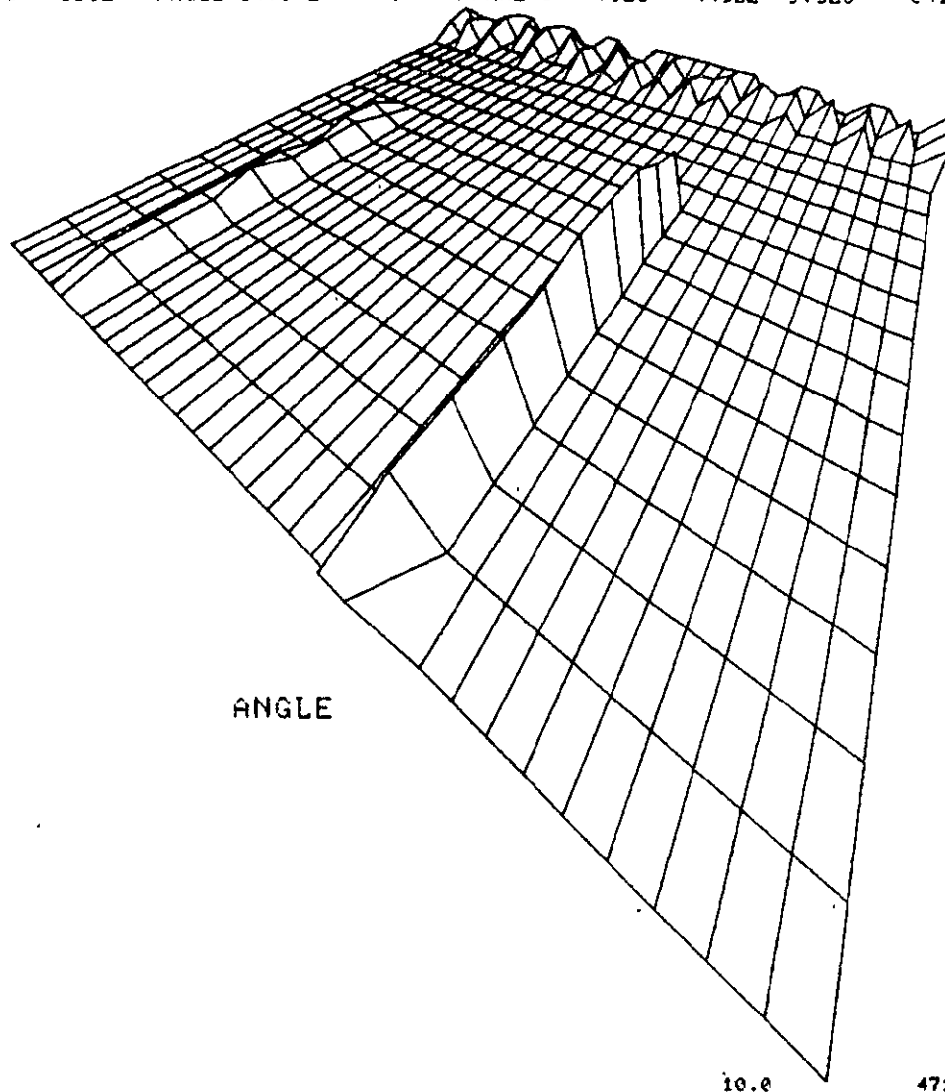
OPTION # 22-1

MAXIMUM U = 10.0

AVERAGE U = 1.4

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.8  
 6 60.1  
 7 58.3  
 8 56.6  
 9 54.8  
 10 53.0  
 11 51.3  
 12 49.6  
 13 47.9  
 14 46.2  
 15 44.5  
 16 42.9  
 17 41.1  
 18 39.4  
 19 37.7  
 20 35.9  
 21 34.1  
 22 32.4  
 23 30.7  
 24 28.9  
 25 27.2  
 26 25.3  
 27 23.6  
 28 21.8  
 29 20.0  
 30 18.3  
 31 16.5  
 32 14.8  
 33 12.9  
 34 11.2  
 35 10.0

64.6



145.0

R  
 1 145.0  
 2 164.2  
 3 183.4  
 4 202.7  
 5 221.9  
 6 241.1  
 7 260.3  
 8 279.6  
 9 298.8  
 10 318.0  
 11 337.2  
 12 356.5  
 13 375.7  
 14 394.9  
 15 414.1  
 16 433.4  
 17 471.8

R

ANGLE

10.0

471.8

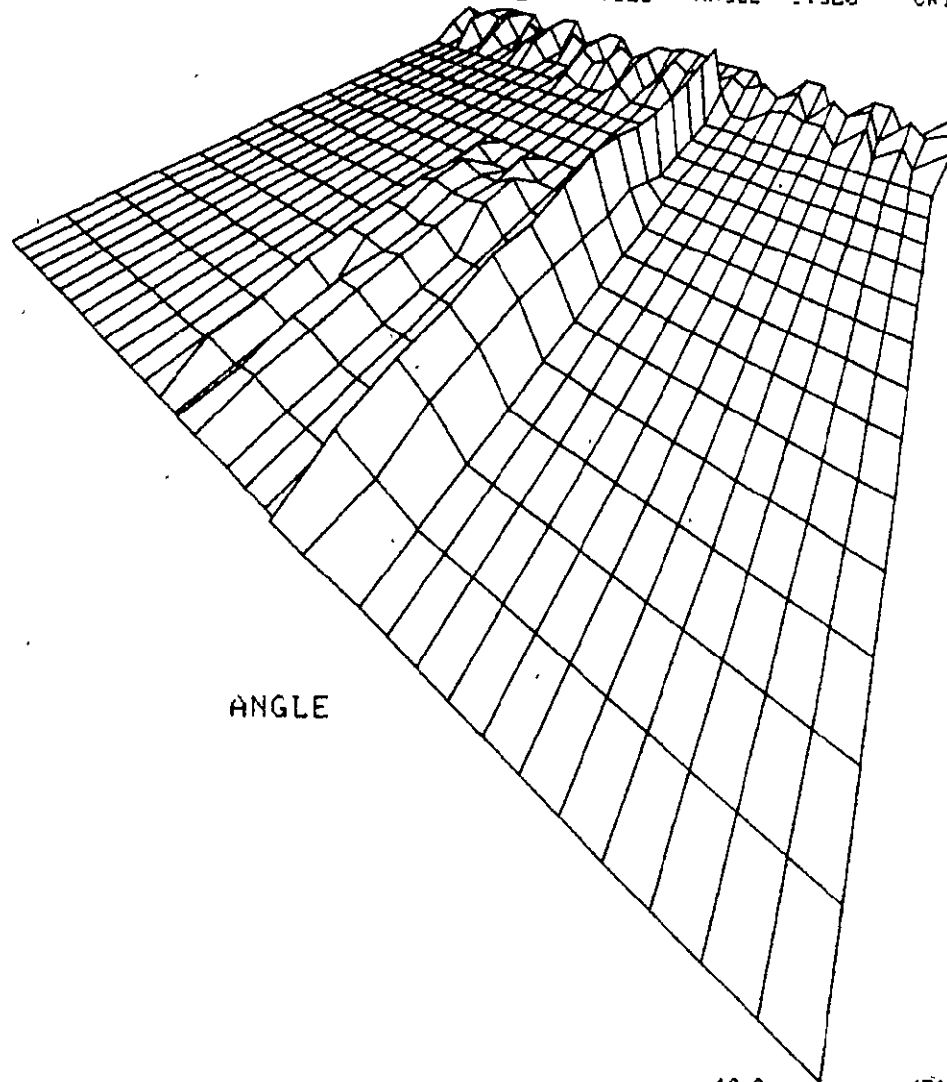
U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 8 FRAME # 6502 ANGLE 64.942 TO FRAME # 7126 ANGLE 9.326 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 16.0  
 AVERAGE U = 2.2

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.8  
 6 60.1  
 7 58.3  
 8 56.6  
 9 54.8  
 10 53.0  
 11 51.3  
 12 49.6  
 13 47.9  
 14 46.2  
 15 44.5  
 16 42.9  
 17 41.1  
 18 39.4  
 19 37.7  
 20 35.9  
 21 34.1  
 22 32.4  
 23 30.7  
 24 28.9  
 25 27.2  
 26 25.3  
 27 23.6  
 28 21.8  
 29 20.0  
 30 18.3  
 31 16.5  
 32 14.8  
 33 12.9  
 34 11.2  
 35 10.0

64.6



145.0

R  
 1 145.0  
 2 164.2  
 3 183.4  
 4 202.7  
 5 221.9  
 6 241.1  
 7 260.3  
 8 279.6  
 9 298.8  
 10 318.0  
 11 337.2  
 12 356.5  
 13 375.7  
 14 394.9  
 15 414.1  
 16 433.4  
 17 471.8

R

ANGLE

10.0

471.8

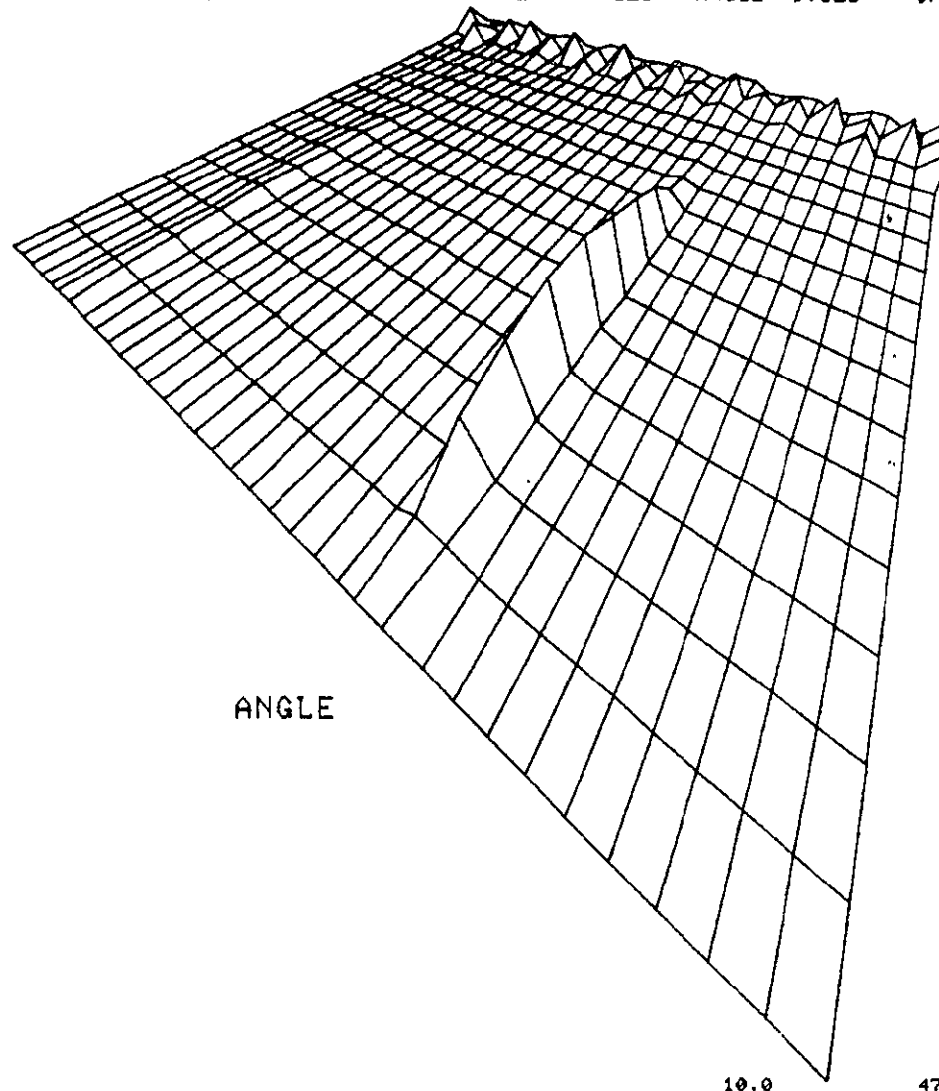
U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 8 FRAME # 6502 ANGLE 64.942 TO FRAME # 7126 ANGLE 9.326 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.8  
 6 60.1  
 7 58.3  
 8 56.6  
 9 54.8  
 10 53.0  
 11 51.3  
 12 49.6  
 13 47.9  
 14 46.2  
 15 44.5  
 16 42.9  
 17 41.1  
 18 39.4  
 19 37.7  
 20 35.9  
 21 34.1  
 22 32.4  
 23 30.7  
 24 28.9  
 25 27.2  
 26 25.3  
 27 23.6  
 28 21.8  
 29 20.0  
 30 18.3  
 31 16.5  
 32 14.8  
 33 12.9  
 34 11.2  
 35 10.0

64.6



145.0

R

10.0

471.8

R  
 1 145.0  
 2 164.2  
 3 183.4  
 4 202.7  
 5 221.9  
 6 241.1  
 7 260.3  
 8 279.6  
 9 298.8  
 10 318.0  
 11 337.2  
 12 356.5  
 13 375.7  
 14 394.9  
 15 414.1  
 16 433.4  
 17 471.8

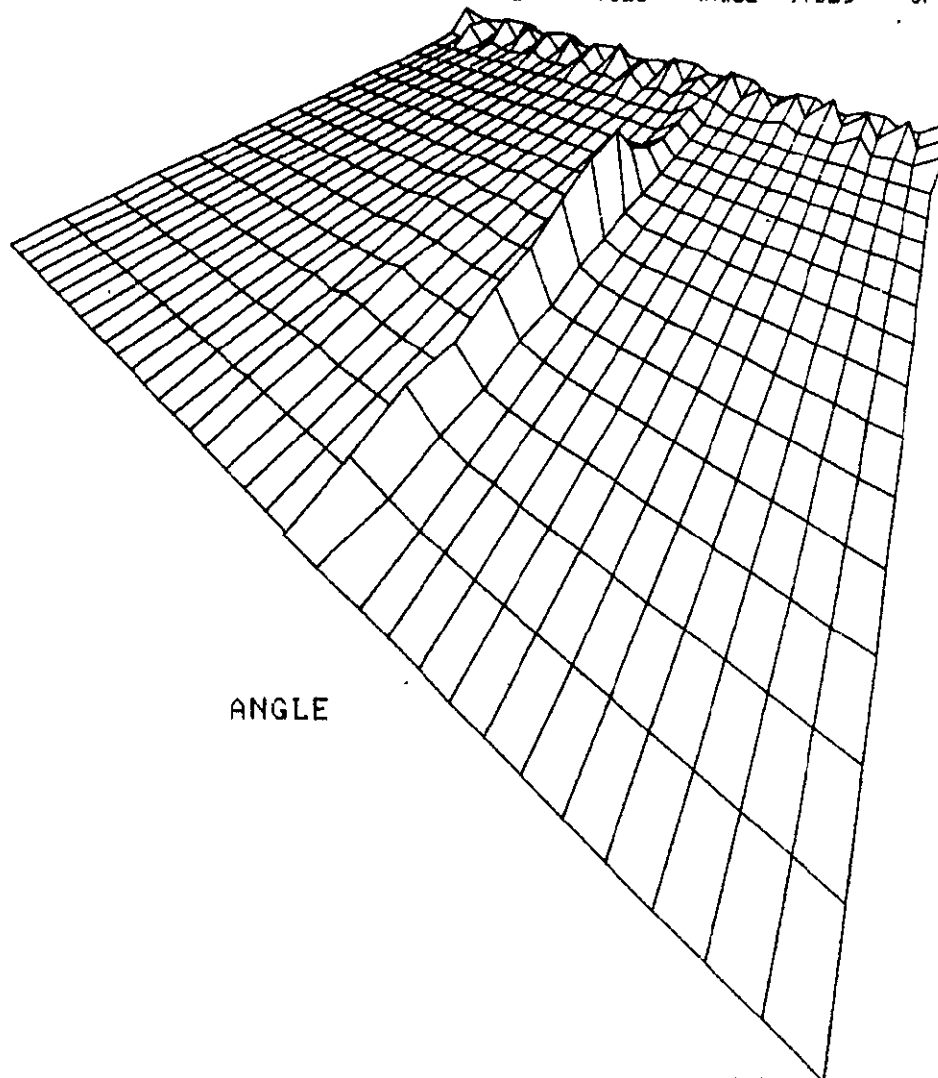
U \* I<sub>max</sub>, R, A DISPLAY



\* NASA PROJECT DUST DEVIL DAY 208 RUN # 4 TAPE 1 OF 3- 3110  
 \* SCAN # 8 FRAME # 6502 ANGLE 64.942 TO FRAME # 7126 ANGLE 9.326 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.8  
 6 60.1  
 7 58.3  
 8 56.6  
 9 54.8  
 10 53.0  
 11 51.3  
 12 49.6  
 13 47.9  
 14 46.2  
 15 44.5  
 16 42.9  
 17 41.1  
 18 39.4  
 19 37.7  
 20 35.9  
 21 34.1  
 22 32.4  
 23 30.7  
 24 28.9  
 25 27.2  
 26 25.3  
 27 23.6  
 28 21.8  
 29 20.0  
 30 18.3  
 31 16.5  
 32 14.8  
 33 12.9  
 34 11.2  
 35 10.0

64.6



145.0

P  
 1 145.0  
 2 164.2  
 3 183.4  
 4 202.7  
 5 221.9  
 6 241.1  
 7 260.3  
 8 279.6  
 9 299.2  
 10 318.0  
 11 337.2  
 12 356.5  
 13 375.7  
 14 394.9  
 15 414.1  
 16 433.4  
 17 471.8

R

10.0

471.8

U # Imax, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 9 FRAME # 7126 ANGLE 9.326 TO FRAME # 7764 ANGLE 64.846 CRITICAL AMP AT CELL 62

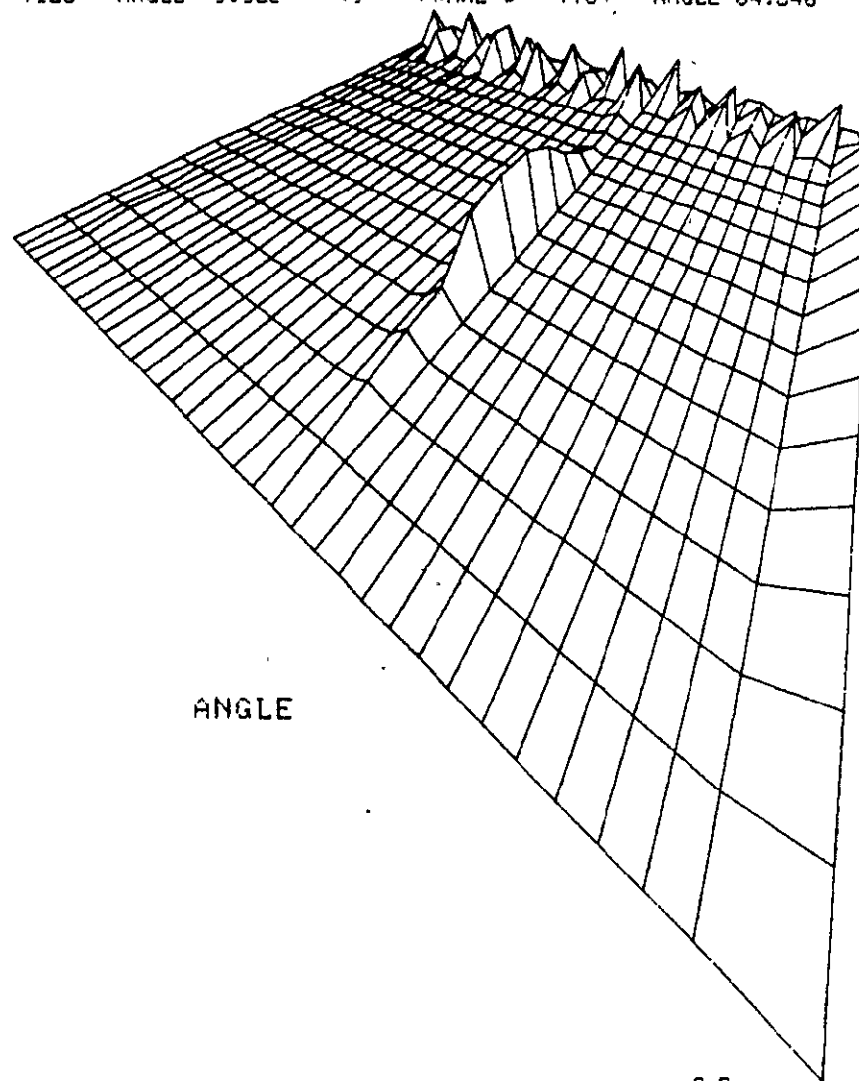
OPTION # 11-1

MAXIMUM I = 54.0

AVERAGE I = 3.5

ANGLE  
 1 9.5  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.4  
 7 16.1  
 8 17.9  
 9 19.7  
 10 21.4  
 11 23.1  
 12 24.9  
 13 26.7  
 14 28.4  
 15 30.1  
 16 31.9  
 17 33.7  
 18 35.4  
 19 37.1  
 20 38.8  
 21 40.5  
 22 42.3  
 23 44.1  
 24 45.7  
 25 47.4  
 26 49.1  
 27 50.8  
 28 52.5  
 29 54.2  
 30 56.0  
 31 57.8  
 32 59.6  
 33 61.3  
 34 63.1  
 35 64.4  
 36 64.7

64.7



143.3

R  
 1 143.3  
 2 162.3  
 3 181.3  
 4 200.3  
 5 219.2  
 6 238.2  
 7 257.2  
 8 276.2  
 9 295.2  
 10 314.2  
 11 333.2  
 12 352.1  
 13 371.1  
 14 390.1  
 15 409.1  
 16 428.1  
 17 446.1

P

9.5

466.1

I MAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 9 FRAME # 7126 ANGLE 9.326 TO FRAME # 7764 ANGLE 64.346 CRITICAL AMP AT CELL 62

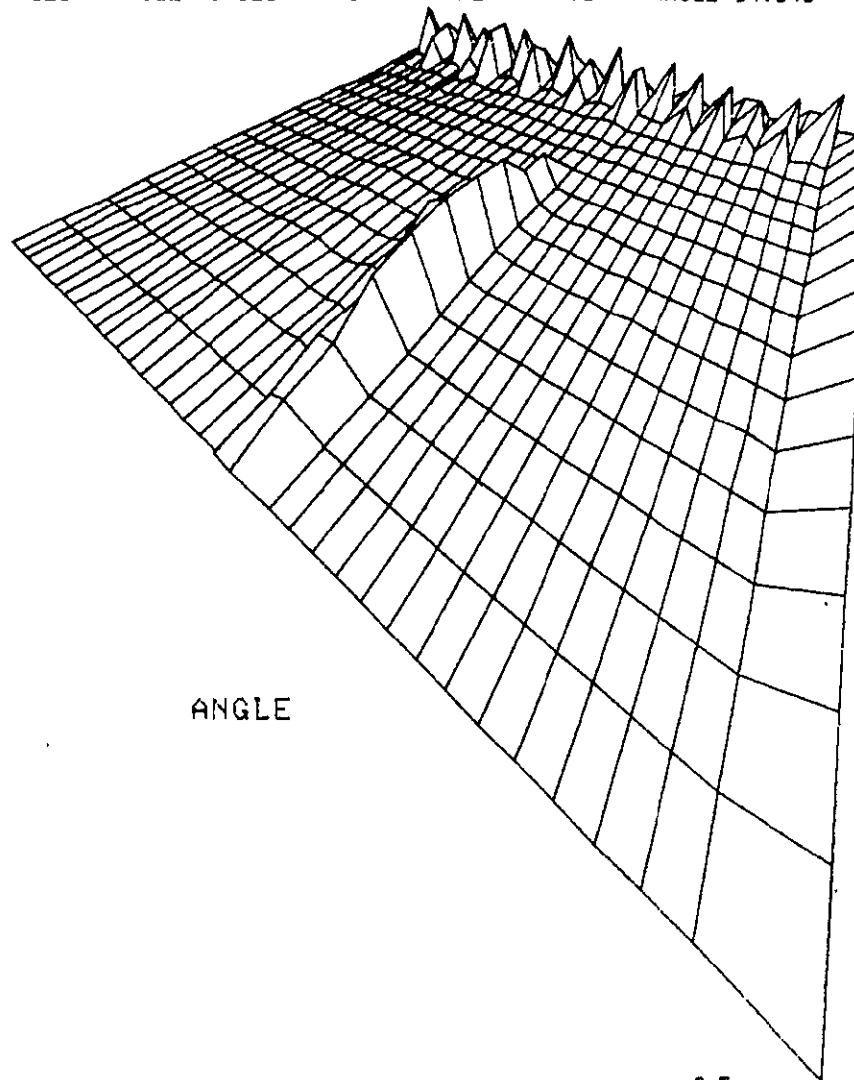
OPTION # 11-2

MAXIMUM I = 74.0

AVERAGE I = 7.2

ANGLE  
 1 9.5  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.4  
 7 16.1  
 8 17.9  
 9 19.7  
 10 21.4  
 11 23.1  
 12 24.9  
 13 26.7  
 14 28.4  
 15 30.1  
 16 31.9  
 17 33.7  
 18 35.4  
 19 37.1  
 20 38.8  
 21 40.5  
 22 42.3  
 23 44.1  
 24 45.7  
 25 47.4  
 26 49.1  
 27 50.8  
 28 52.5  
 29 54.2  
 30 56.0  
 31 57.8  
 32 59.6  
 33 61.3  
 34 63.1  
 35 64.4  
 36 64.7

64.7



143.3

P

P  
 1 143.3  
 2 162.3  
 3 181.3  
 4 200.3  
 5 219.2  
 6 238.2  
 7 257.2  
 8 276.2  
 9 295.2  
 10 314.2  
 11 333.2  
 12 352.1  
 13 371.1  
 14 390.1  
 15 409.1  
 16 428.1  
 17 466.1

9.5

466.1

IMAX, P, A DISPLAY

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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 3- 6110  
 \* SCAN # 9 FRAME # 7126 ANGLE 9.326 TO FRAME # 7754 ANGLE 64.946 CRITICAL AMP AT CELL 62

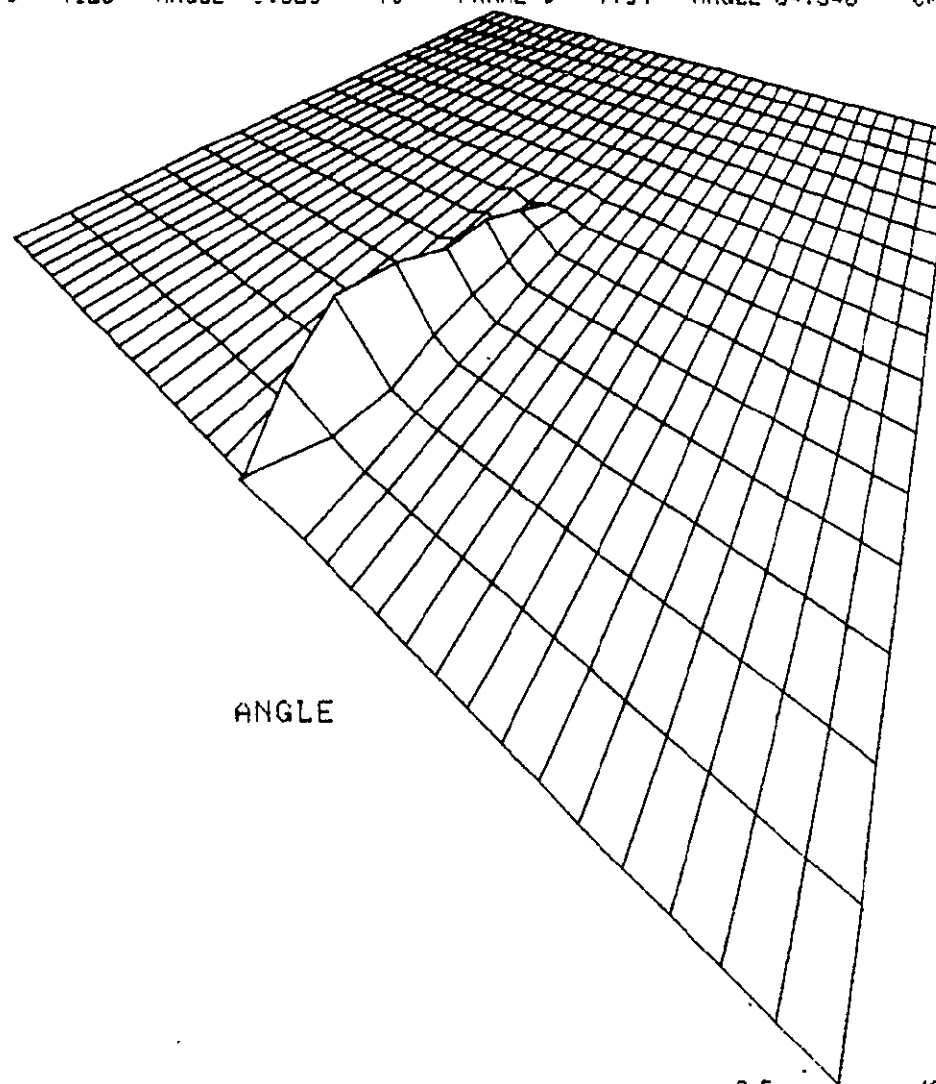
OPTION # 12-1

MAXIMUM I = 39.0

AVERAGE I = 0.4

ANGLE  
 1 9.5  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.4  
 7 16.1  
 8 17.9  
 9 19.7  
 10 21.4  
 11 23.1  
 12 24.9  
 13 26.7  
 14 28.4  
 15 30.1  
 16 31.9  
 17 33.7  
 18 35.4  
 19 37.1  
 20 38.8  
 21 40.5  
 22 42.3  
 23 44.1  
 24 45.7  
 25 47.4  
 26 49.1  
 27 50.8  
 28 52.5  
 29 54.2  
 30 56.0  
 31 57.8  
 32 59.6  
 33 61.3  
 34 63.1  
 35 64.4  
 36 64.7

64.7



143.3

R  
 1 143.3  
 2 162.3  
 3 181.3  
 4 200.3  
 5 219.2  
 6 238.2  
 7 257.2  
 8 276.2  
 9 295.2  
 10 314.2  
 11 333.2  
 12 352.1  
 13 371.1  
 14 390.1  
 15 409.1  
 16 428.1  
 17 446.1

R

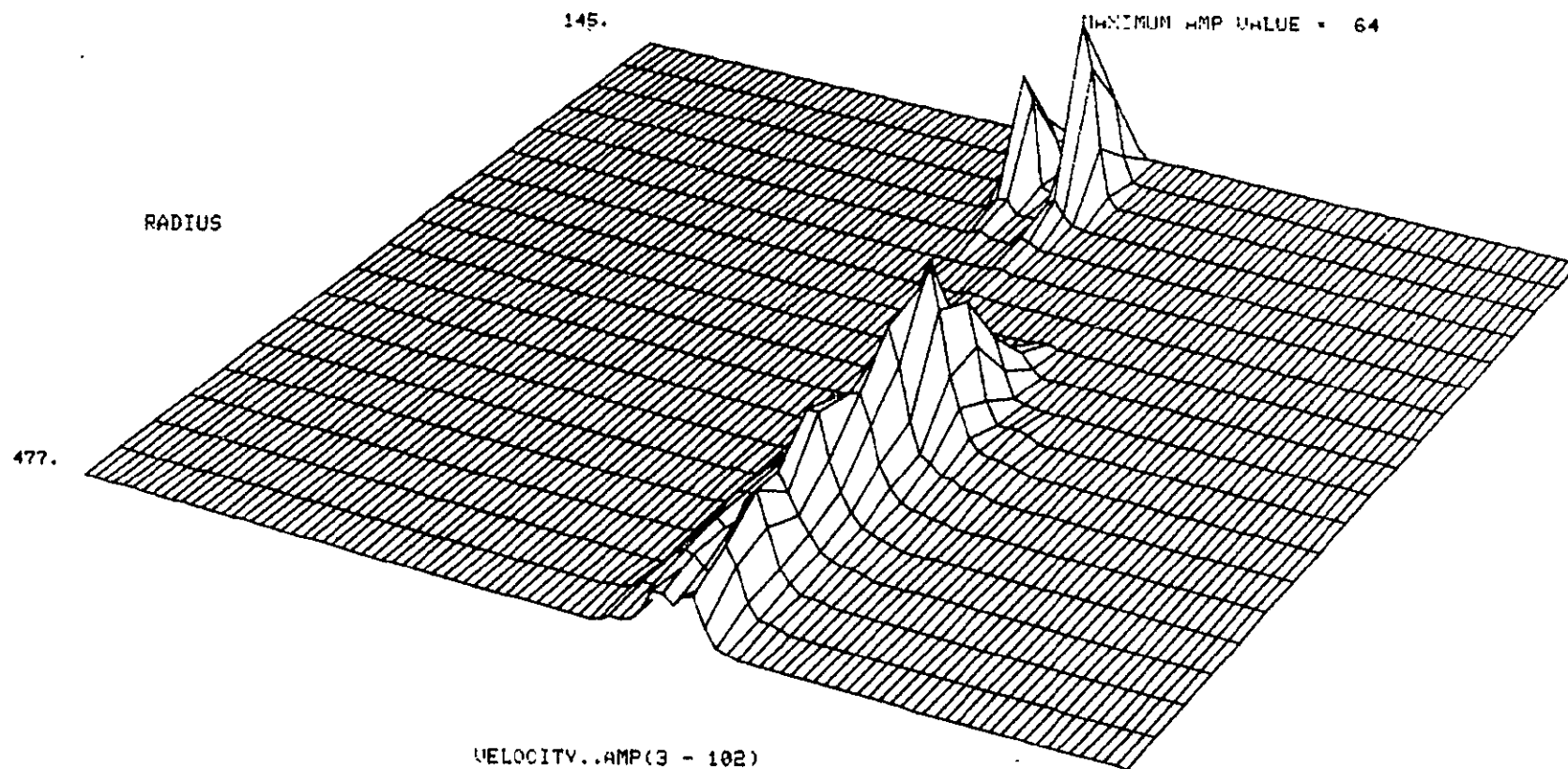
9.5

466.1

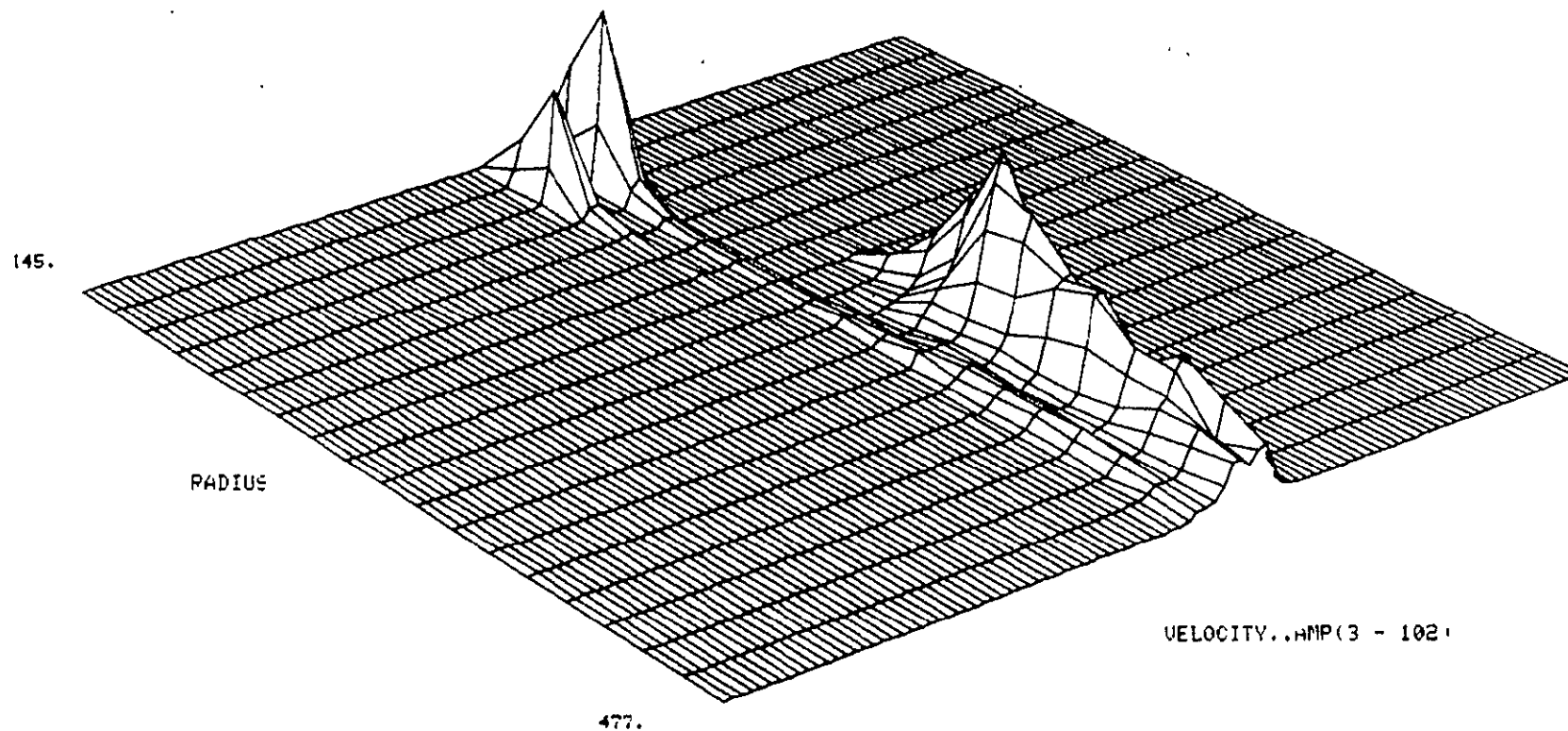
I, R, A DISPLAY AT VELOCITY CELL 62

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\* NASA PROJECT DUST DEVIL DAY 238. RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 9 FRAME # 7126 ANGLE 9.326 - TO FRAME # 7764 ANGLE 64.246 CRITICAL AMP AT CELL 62  
 FRAME # 7401 TO 7420  
 ANGLE = 33.69  
 MAXIMUM AMP VALUE = 64



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 9 FRAME # 7126 ANGLE 9.326 TO FRAME # 7764 ANGLE 64.846 CRITICAL AMP AT CELL 62  
 FRAME # 7401 TO 7420  
 ANGLE = 33.69  
 MAXIMUM AMP VALUE = 64



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NASA PROJECT DUST DEVIL DAY 228 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 9 FRAME # 7126 ANGLE 9.326 TO FRAME # 7764 ANGLE 64.546 CRITICAL AMP AT CELL 62

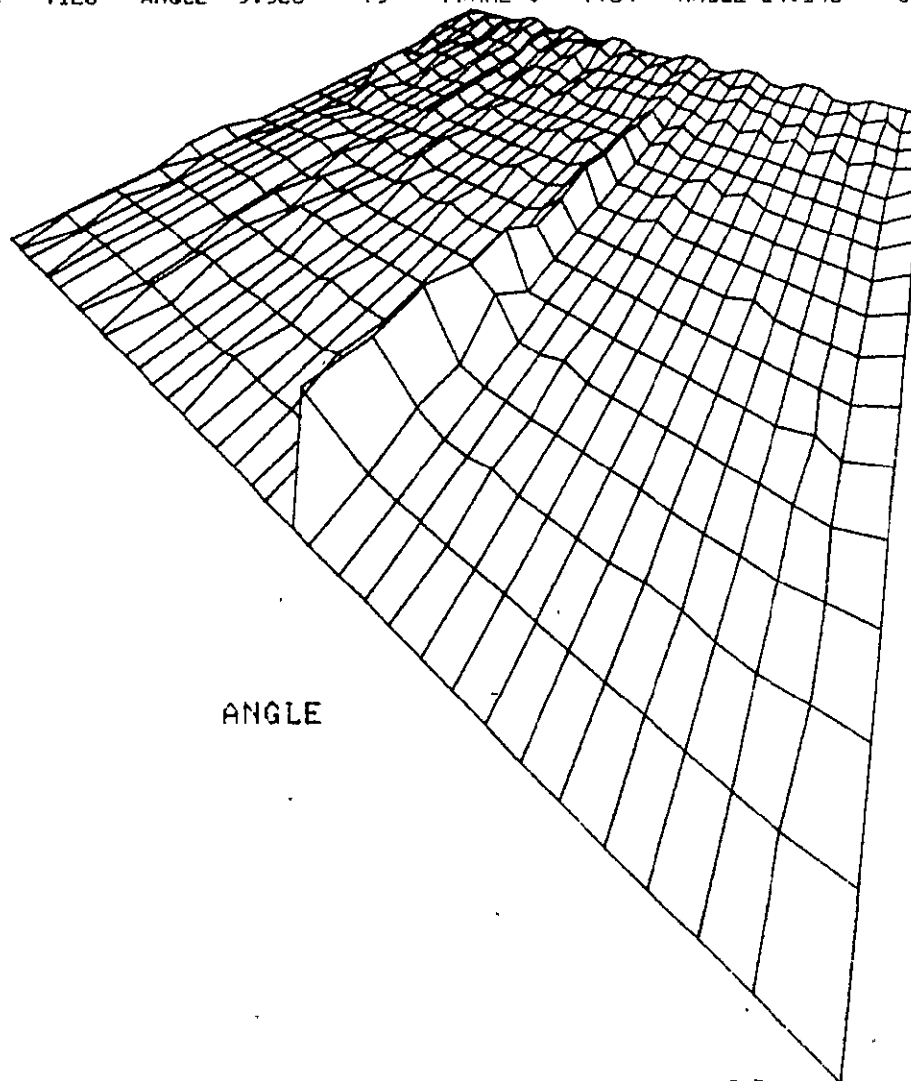
OPTION # 21-1

MAXIMUM U = 10.0

AVERAGE U = 1.6

ANGLE  
 1 9.5  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.4  
 7 16.1  
 8 17.9  
 9 19.7  
 10 21.4  
 11 23.1  
 12 24.9  
 13 26.7  
 14 28.4  
 15 30.1  
 16 31.9  
 17 33.7  
 18 35.4  
 19 37.1  
 20 38.8  
 21 40.5  
 22 42.3  
 23 44.1  
 24 45.7  
 25 47.4  
 26 49.1  
 27 50.8  
 28 52.5  
 29 54.2  
 30 56.0  
 31 57.8  
 32 59.6  
 33 61.3  
 34 63.1  
 35 64.4  
 36 64.7

64.7



143.3

R  
 1 143.3  
 2 162.3  
 3 181.3  
 4 200.3  
 5 219.2  
 6 238.2  
 7 257.2  
 8 276.2  
 9 295.2  
 10 314.2  
 11 333.2  
 12 352.1  
 13 371.1  
 14 390.1  
 15 409.1  
 16 428.1  
 17 466.1

R

ANGLE

9.5

466.1

U, R, A DISPLAY (VELOCITY AT IMAX)

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NASA PROJECT DUST DEVIL DAY 208 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 9 FRAME # 7126 ANGLE 9.326 TO FRAME # 7764 ANGLE 64.346 CRITICAL AMP AT CELL 62

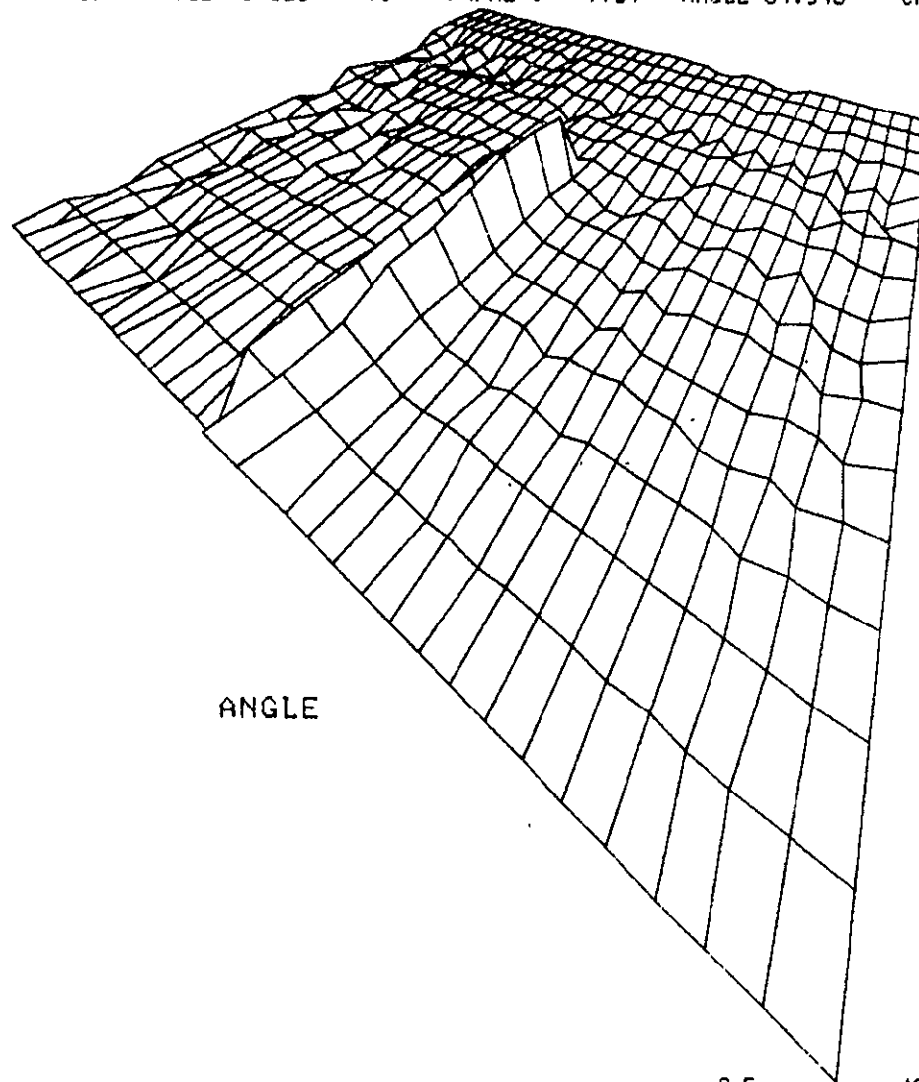
OPTION # 21-2

MAXIMUM U = 14.0

AVERAGE U = 3.3

ANGLE  
 1 9.5  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.4  
 7 16.1  
 8 17.9  
 9 19.7  
 10 21.4  
 11 23.1  
 12 24.9  
 13 26.7  
 14 28.4  
 15 30.1  
 16 31.9  
 17 33.7  
 18 35.4  
 19 37.1  
 20 38.8  
 21 40.5  
 22 42.3  
 23 44.1  
 24 45.7  
 25 47.4  
 26 49.1  
 27 50.8  
 28 52.5  
 29 54.2  
 30 56.0  
 31 57.8  
 32 59.6  
 33 61.3  
 34 63.1  
 35 64.4  
 36 64.7

64.7



143.3

R

R  
 1 143.3  
 2 162.3  
 3 181.3  
 4 200.3  
 5 219.2  
 6 238.2  
 7 257.2  
 8 276.2  
 9 295.2  
 10 314.2  
 11 333.2  
 12 352.1  
 13 371.1  
 14 390.1  
 15 409.1  
 16 428.1  
 17 446.1

9.5

466.1

U, R, A DISPLAY (VELOCITY AT I\_max)

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 OF POOR QUALITY



NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 3110  
 \* SCAN # 9 FRAME # 7126 ANGLE 9.326 TO FRAME # 7764 ANGLE 64.846 CRITICAL AMP AT CELL 62

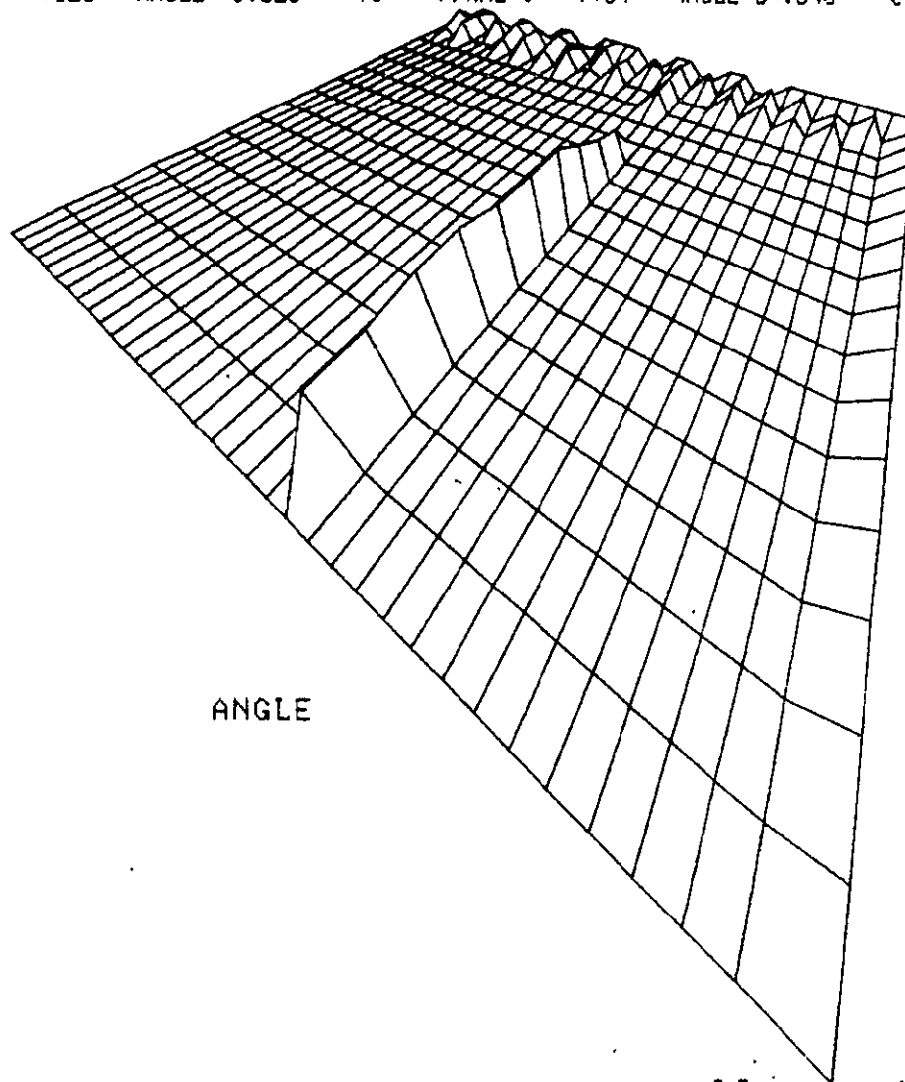
OPTION # 22-1

MAXIMUM U = 11.0

AVERAGE U = 1.4

ANGLE  
 1 9.5  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.4  
 7 16.1  
 8 17.9  
 9 19.7  
 10 21.4  
 11 23.1  
 12 24.9  
 13 26.7  
 14 28.4  
 15 30.1  
 16 31.9  
 17 33.7  
 18 35.4  
 19 37.1  
 20 38.8  
 21 40.5  
 22 42.3  
 23 44.1  
 24 45.7  
 25 47.4  
 26 49.1  
 27 50.8  
 28 52.5  
 29 54.2  
 30 56.0  
 31 57.8  
 32 59.6  
 33 61.3  
 34 63.1  
 35 64.4  
 36 64.7

64.7



143.3

R  
 1 143.3  
 2 162.3  
 3 181.3  
 4 200.3  
 5 219.2  
 6 238.2  
 7 257.2  
 8 276.2  
 9 295.2  
 10 314.2  
 11 333.2  
 12 352.1  
 13 371.1  
 14 390.1  
 15 409.1  
 16 428.1  
 17 466.1

R

ANGLE

9.5

466.1

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 PUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 9 FRAME # 7126 ANGLE 9.326 TO FRAME # 7764 ANGLE 64.846 CRITICAL AMP AT CELL 62

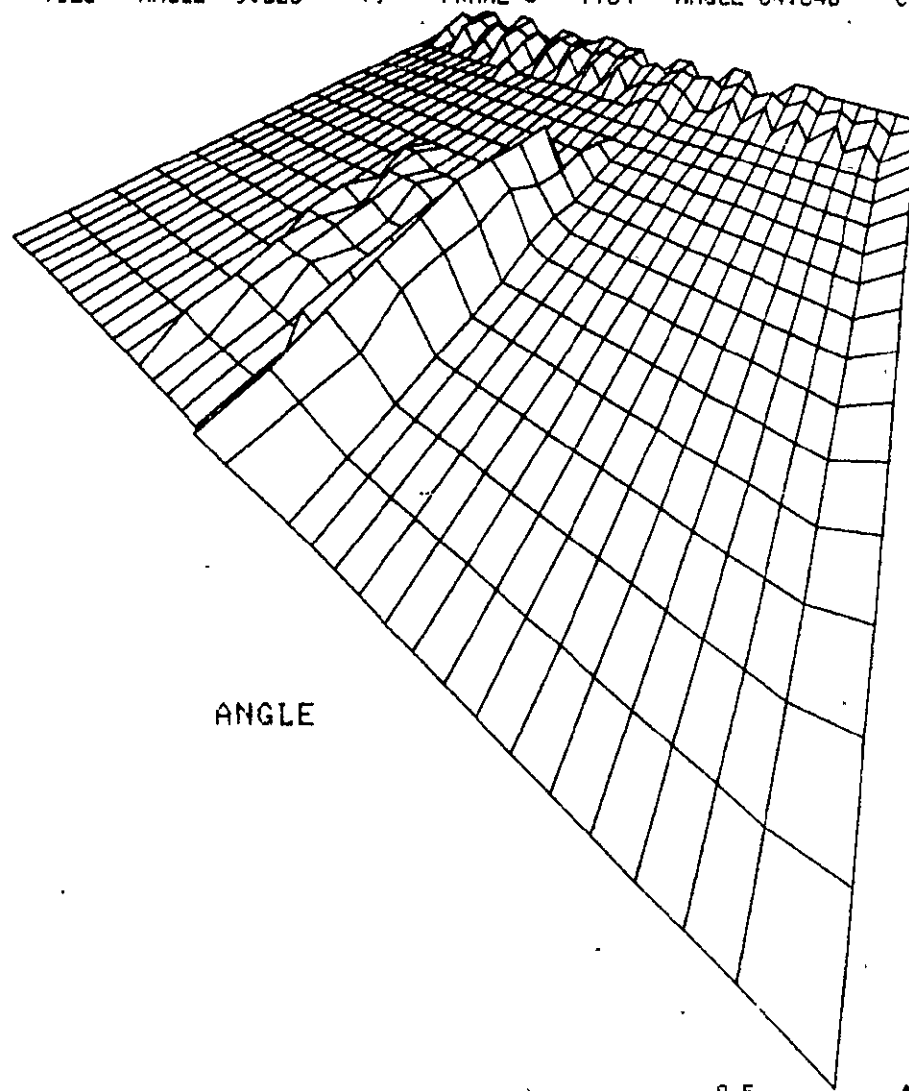
OPTION # 22-2

MAXIMUM U = 17.0

AVERAGE U = 2.2

ANGLE  
 1 9.5  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.4  
 7 16.1  
 8 17.9  
 9 19.7  
 10 21.4  
 11 23.1  
 12 24.9  
 13 26.7  
 14 28.4  
 15 30.1  
 16 31.9  
 17 33.7  
 18 35.4  
 19 37.1  
 20 38.8  
 21 40.5  
 22 42.3  
 23 44.1  
 24 45.7  
 25 47.4  
 26 49.1  
 27 50.8  
 28 52.5  
 29 54.2  
 30 56.0  
 31 57.8  
 32 59.6  
 33 61.3  
 34 63.1  
 35 64.4  
 36 64.7

64.7



143.3

R  
 1 143.3  
 2 162.3  
 3 181.3  
 4 200.3  
 5 219.2  
 6 238.2  
 7 257.2  
 8 276.2  
 9 295.2  
 10 314.2  
 11 333.2  
 12 352.1  
 13 371.1  
 14 390.1  
 15 409.1  
 16 428.1  
 17 466.1

R

ANGLE

9.5

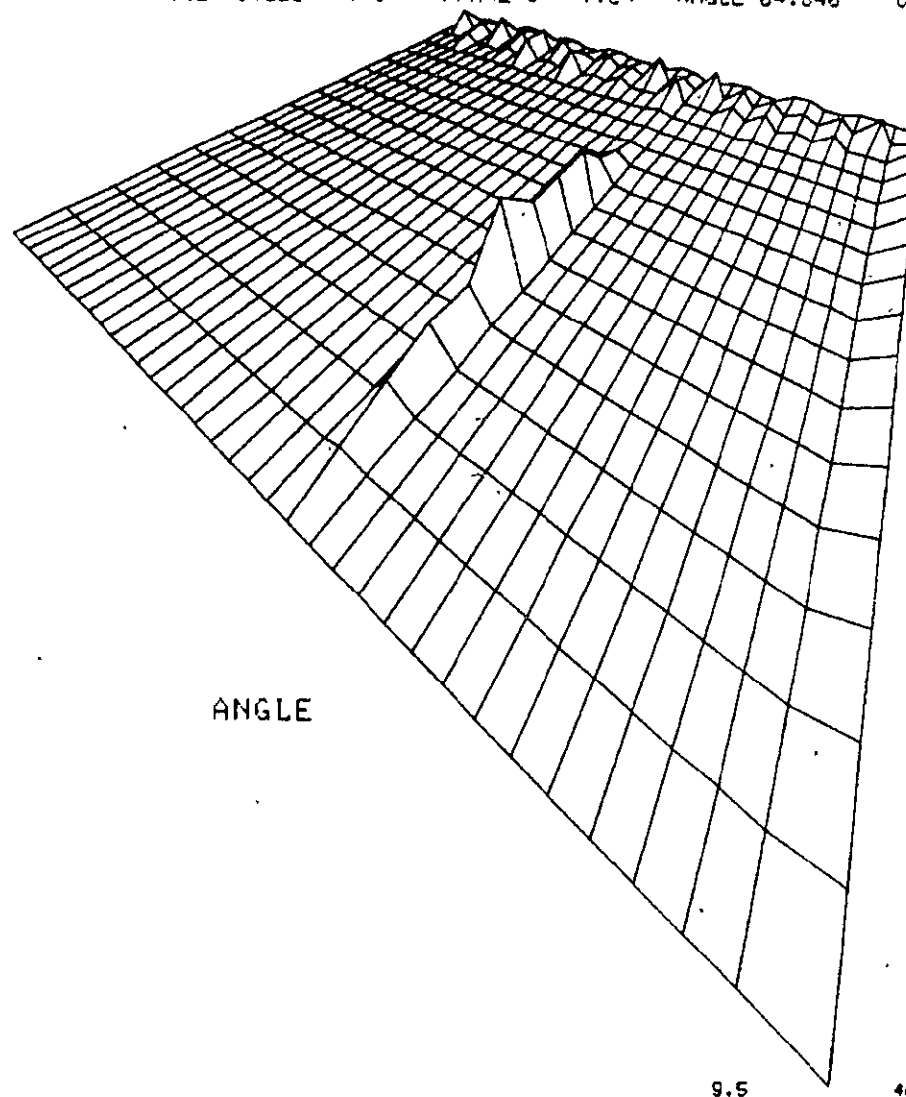
466.1

U MAX, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

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 OF POOR QUALITY

NASA PROJECT DUST DEMIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 9 FRAME # 7126 ANGLE 9.326 .TO FRAME # 7764 ANGLE 64.846 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 9.5  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.4  
 7 16.1  
 8 17.9  
 9 19.7  
 10 21.4  
 11 23.1  
 12 24.9  
 13 26.7  
 14 28.4  
 15 30.1  
 16 31.9  
 17 33.7  
 18 35.4  
 19 37.1  
 20 38.8  
 21 40.5  
 22 42.3  
 23 44.1  
 24 45.7  
 25 47.4  
 26 49.1  
 27 50.8  
 28 52.5  
 29 54.2  
 30 56.0  
 31 57.8  
 32 59.6  
 33 61.3  
 34 63.1  
 35 64.4  
 36 64.7



P  
 1 143.3  
 2 162.3  
 3 181.3  
 4 200.3  
 5 219.2  
 6 238.2  
 7 257.2  
 8 276.2  
 9 295.2  
 10 314.2  
 11 333.2  
 12 352.1  
 13 371.1  
 14 390.1  
 15 409.1  
 16 428.1  
 17 466.1

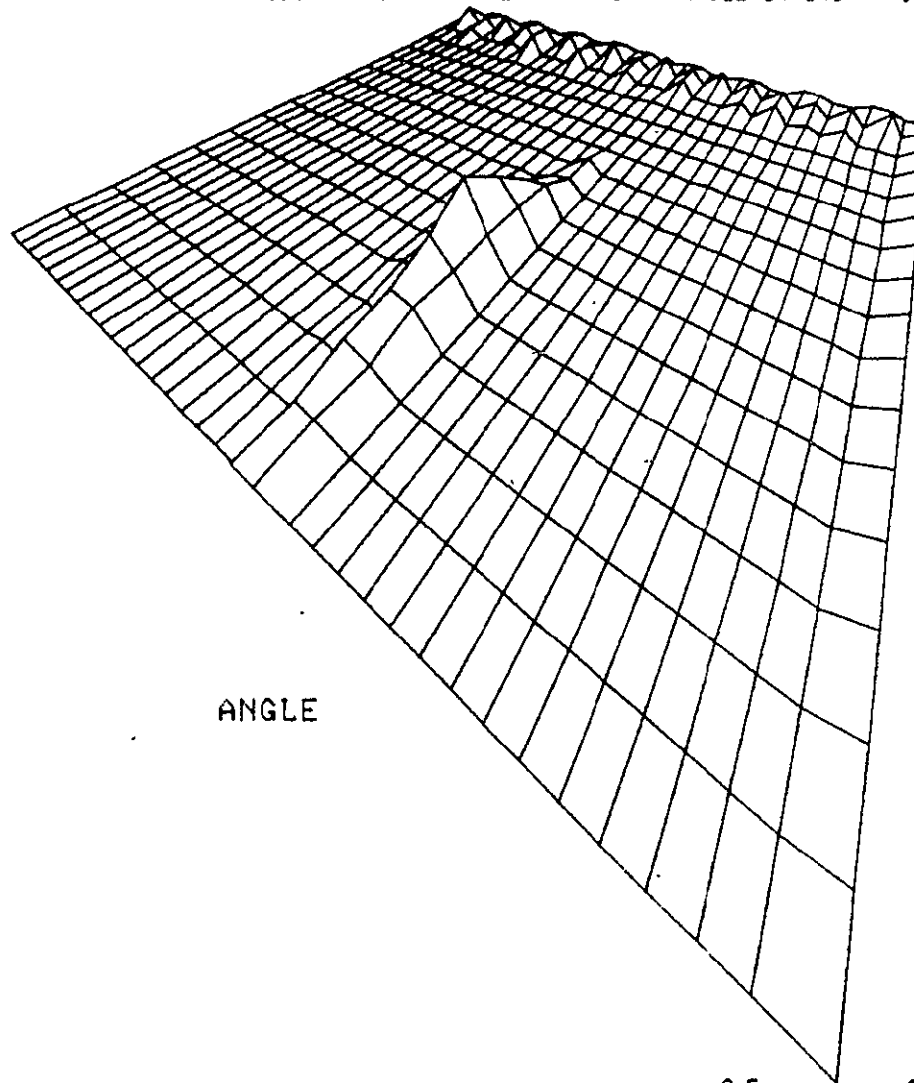
U \* I MAX. R, A DISPLAY

ORIGINAL PAGE IS  
 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 9 FRAME # 7126 ANGLE 9.326 TO FRAME # 7764 ANGLE 64.346 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 9.5  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.4  
 7 16.1  
 8 17.9  
 9 19.7  
 10 21.4  
 11 23.1  
 12 24.9  
 13 26.7  
 14 28.4  
 15 30.1  
 16 31.9  
 17 33.7  
 18 35.4  
 19 37.1  
 20 38.8  
 21 40.5  
 22 42.3  
 23 44.1  
 24 45.7  
 25 47.4  
 26 49.1  
 27 50.8  
 28 52.5  
 29 54.2  
 30 56.0  
 31 57.8  
 32 59.6  
 33 61.3  
 34 63.1  
 35 64.4  
 36 64.7

64.7



143.3

R  
 1 143.3  
 2 162.3  
 3 181.3  
 4 200.3  
 5 219.2  
 6 238.2  
 7 257.2  
 8 276.2  
 9 295.2  
 10 314.2  
 11 333.2  
 12 352.1  
 13 371.1  
 14 390.1  
 15 409.1  
 16 428.1  
 17 446.1

R

9.5

466.1

U x I\_max, R, A DISPLAY

ORIGINAL PAGE IS  
 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 10 FRAME # 7764 ANGLE 64.846 TO FRAME # 8369 ANGLE 9.232 CRITICAL AMP AT CELL 62

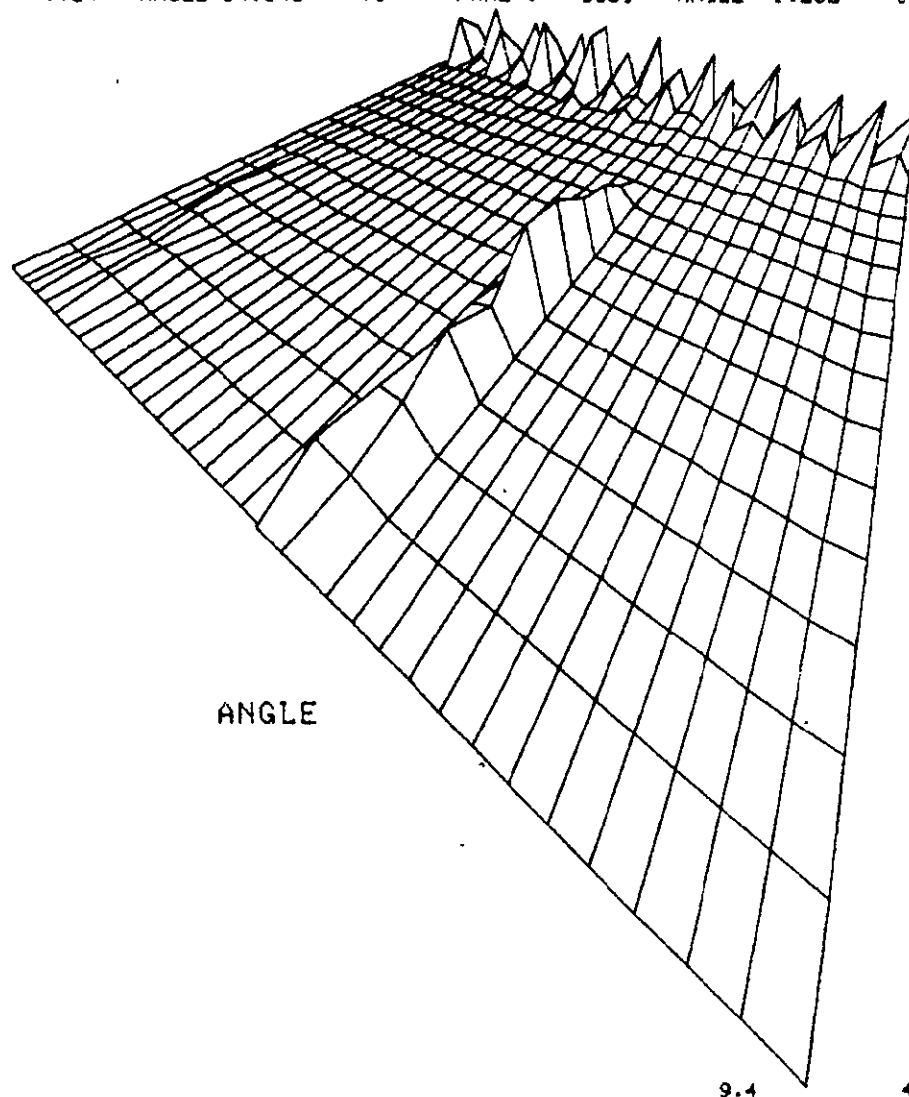
OPTION # 11-1

MAXIMUM I = 38.0

AVERAGE I = 2.4

ANGLE  
 1 64.8  
 2 64.3  
 3 63.3  
 4 62.1  
 5 60.5  
 6 58.8  
 7 57.0  
 8 55.3  
 9 53.5  
 10 51.7  
 11 50.0  
 12 48.3  
 13 46.6  
 14 44.9  
 15 43.2  
 16 41.5  
 17 39.7  
 18 38.0  
 19 36.2  
 20 34.5  
 21 32.8  
 22 31.0  
 23 29.2  
 24 27.6  
 25 25.8  
 26 24.0  
 27 22.2  
 28 20.5  
 29 18.7  
 30 17.0  
 31 15.1  
 32 13.3  
 33 11.6  
 34 10.2  
 35 9.4

64.8



160.5

R  
 1 -160.5  
 2 179.6  
 3 198.7  
 4 217.8  
 5 236.9  
 6 256.1  
 7 275.2  
 8 294.3  
 9 313.4  
 10 332.5  
 11 351.6  
 12 370.8  
 13 389.9  
 14 409.0  
 15 428.1  
 16 446.3

R

9.4

466.3

I MAX, R, A DISPLAY

ORIGINAL PAGE IS  
 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 10 FRAME # 7764 ANGLE 64.846 TO FRAME # 3369 ANGLE 9.282 CRITICAL ANP AT CELL 62

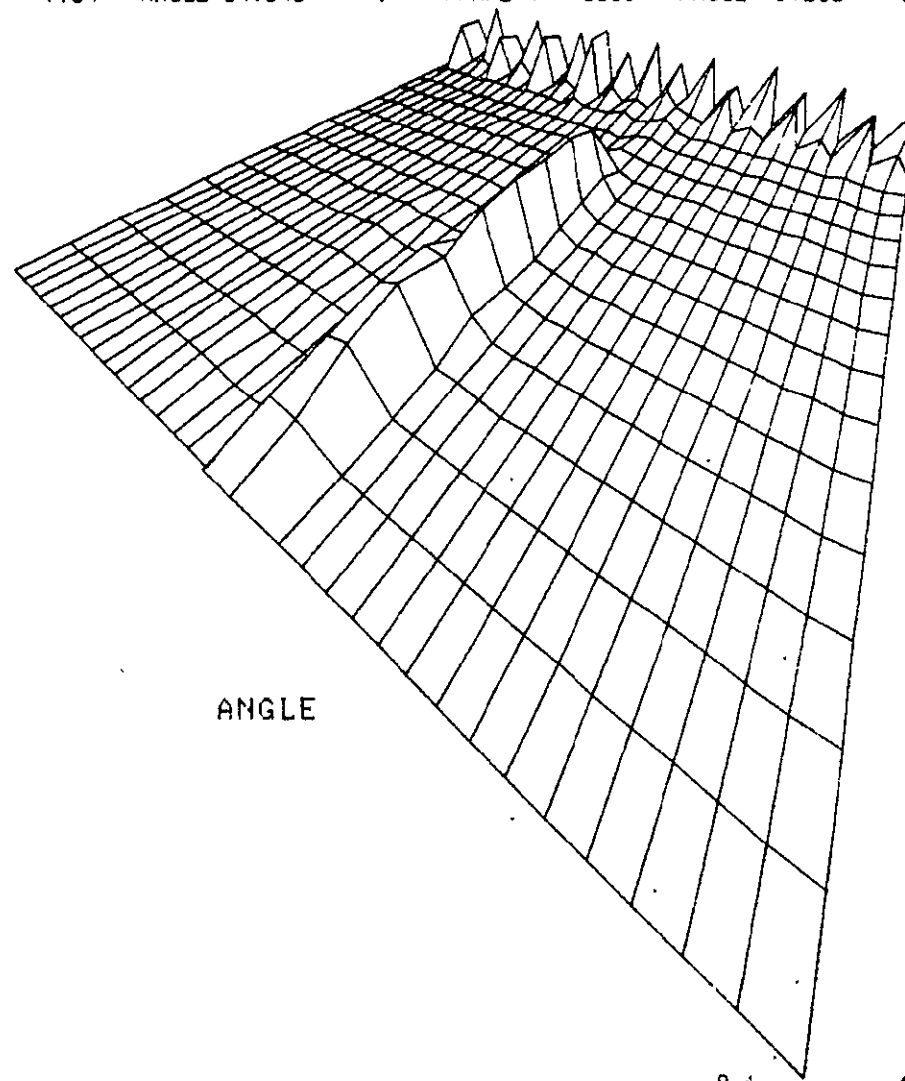
OPTION # 11-2

MAXIMUM I = 69.0

AVERAGE I = 6.0

ANGLE  
 1 64.8  
 2 64.3  
 3 63.3  
 4 62.1  
 5 60.5  
 6 58.8  
 7 57.0  
 8 55.3  
 9 53.5  
 10 51.7  
 11 50.0  
 12 48.3  
 13 46.6  
 14 44.9  
 15 43.2  
 16 41.5  
 17 39.7  
 18 38.0  
 19 36.2  
 20 34.5  
 21 32.8  
 22 31.0  
 23 29.2  
 24 27.6  
 25 25.8  
 26 24.0  
 27 22.2  
 28 20.5  
 29 18.7  
 30 17.0  
 31 15.1  
 32 13.3  
 33 11.6  
 34 10.2  
 35 9.4

64.8



160.5

U

R  
 1 160.5  
 2 179.6  
 3 198.7  
 4 217.3  
 5 236.9  
 6 256.1  
 7 275.2  
 8 294.3  
 9 313.4  
 10 332.5  
 11 351.6  
 12 370.3  
 13 389.9  
 14 409.0  
 15 428.1  
 16 466.3

9.4

466.3

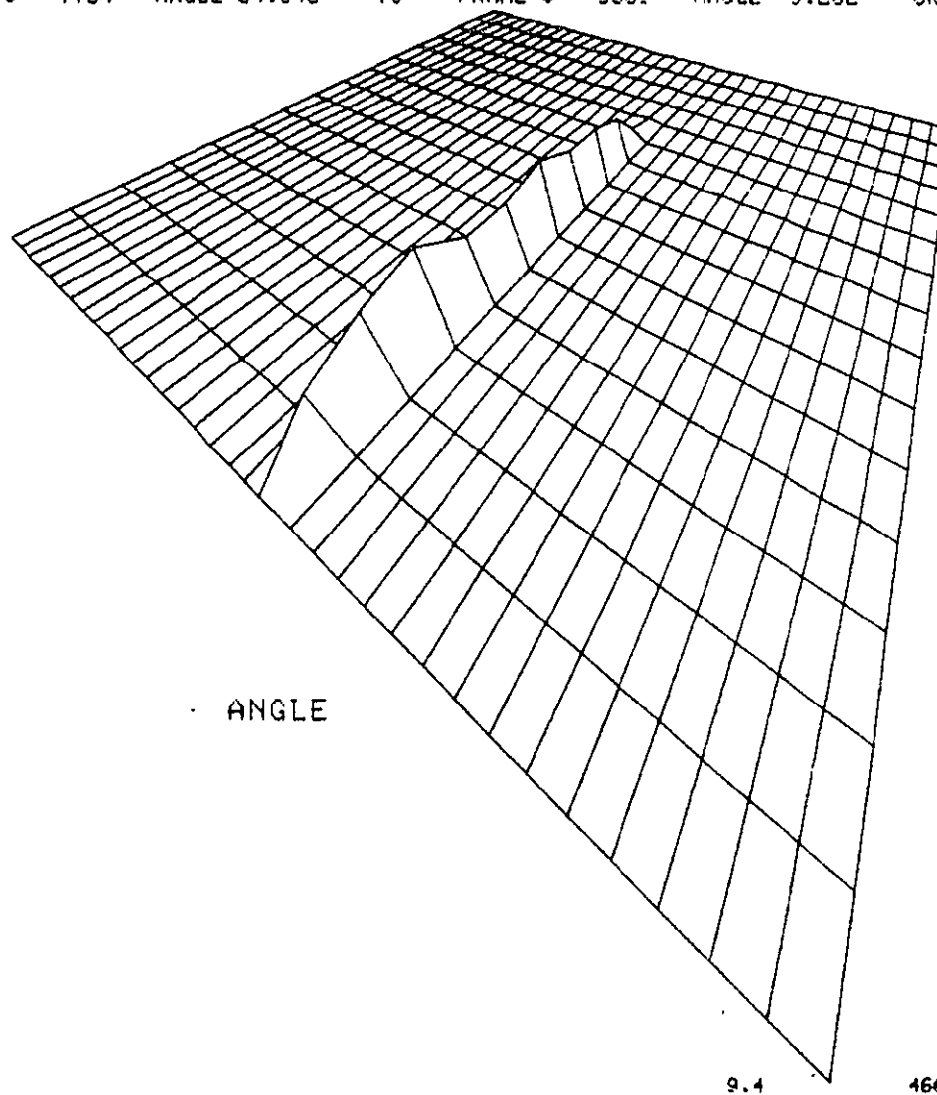
IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 10 FRAME # 7764 ANGLE 64.846 TO FRAME # 8369 ANGLE 9.282 CRITICAL AMP AT CELL 62  
 OPTION # 12-1

MAXIMUM I = 66.0  
 AVERAGE I = 0.9

ANGLE  
 1 64.8  
 2 64.3  
 3 63.3  
 4 62.1  
 5 60.5  
 6 58.8  
 7 57.0  
 8 55.3  
 9 53.5  
 10 51.7  
 11 50.0  
 12 48.3  
 13 46.6  
 14 44.9  
 15 43.2  
 16 41.5  
 17 39.7  
 18 38.0  
 19 36.2  
 20 34.5  
 21 32.8  
 22 31.0  
 23 29.2  
 24 27.6  
 25 25.8  
 26 24.0  
 27 22.2  
 28 20.5  
 29 18.7  
 30 17.0  
 31 15.1  
 32 13.3  
 33 11.6  
 34 10.2  
 35 9.4

64.8



160.5

R  
 1 160.5  
 2 179.6  
 3 193.7  
 4 217.8  
 5 236.9  
 6 256.1  
 7 275.2  
 8 294.3  
 9 313.4  
 10 332.5  
 11 351.6  
 12 370.6  
 13 389.7  
 14 409.0  
 15 428.1  
 16 446.3

R

ANGLE

9.4

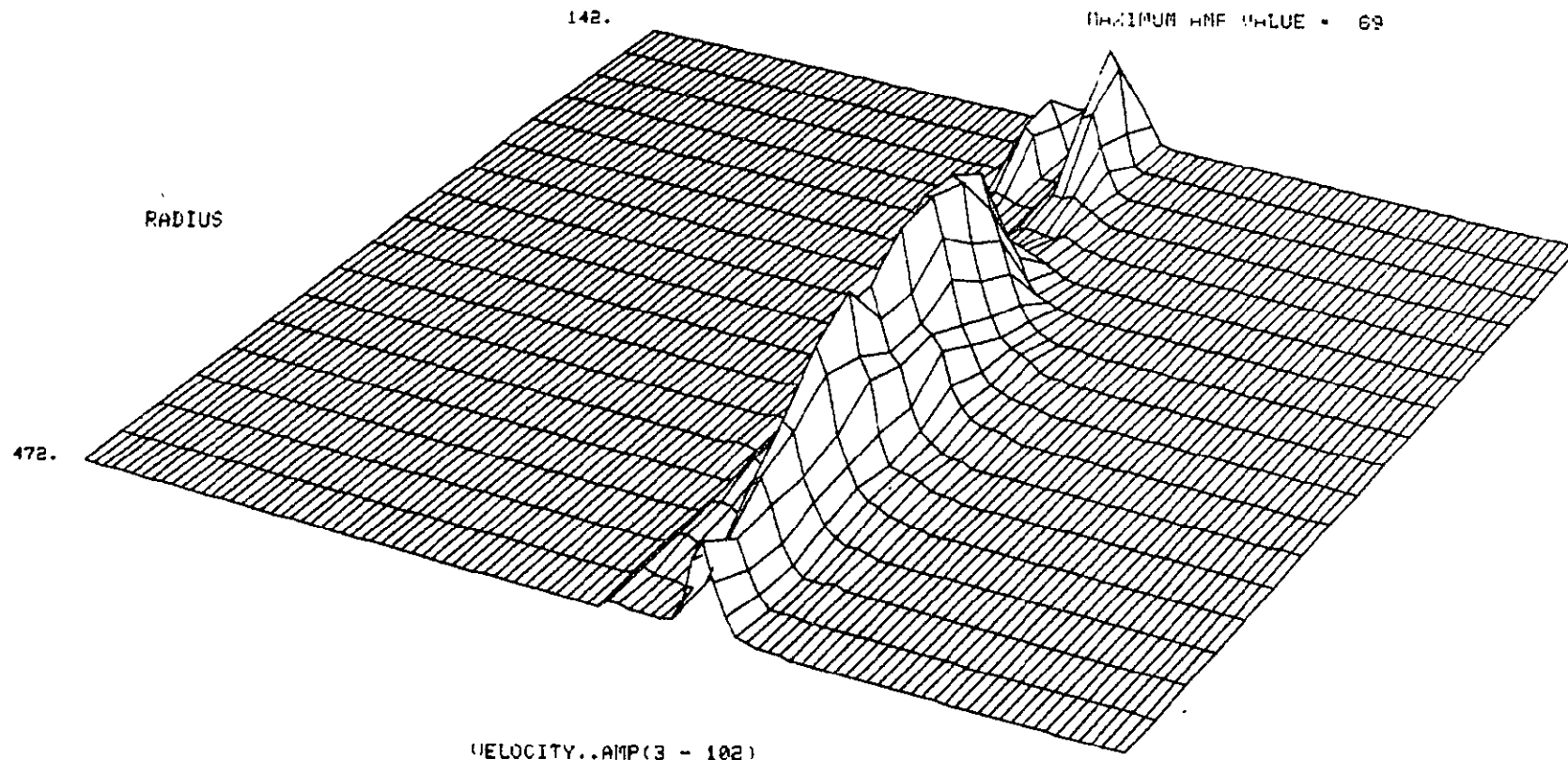
466.3

I, R, A DISPLAY AT VELOCITY CELL 62

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\*

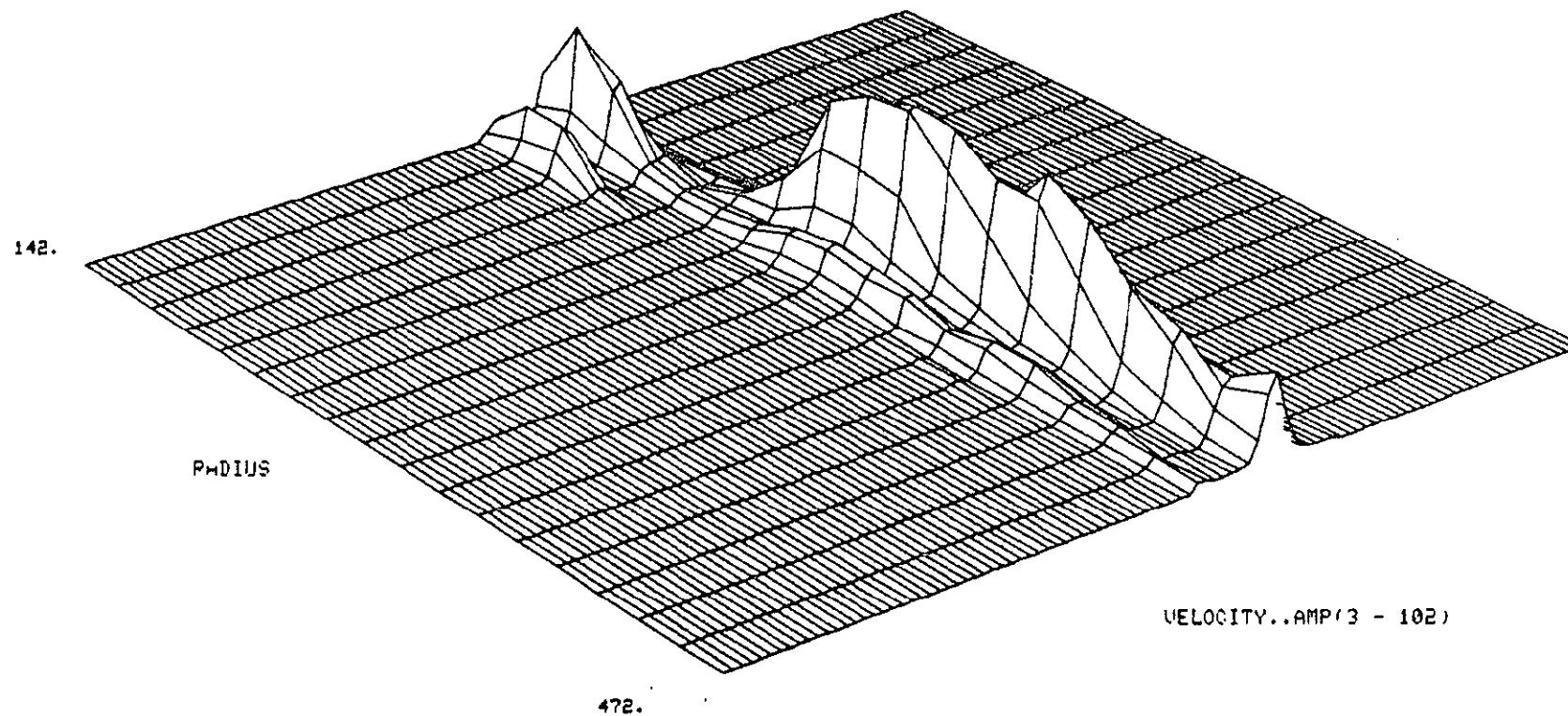
NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 5110  
SCAN # 10 FRAME # 7764 ANGLE 64.846 TO FRAME # 8369 ANGLE 9.232 CRITICAL AMP AT CELL 62  
FRAME # 8094 TO 8112  
ANGLE # 34.49  
MAXIMUM AMP VALUE = 69



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OF POOR QUALITY



\* NASA PROJECT DUST DEVIL DAY 238 PUN # 4 TAPE 1 OF 2- 5110  
 SCAN # 10 FRAME # 7764 ANGLE 64.846 TO FRAME # 8369 ANGLE 9.282 CRITICAL AMP AT CELL 62  
 FRAME # 2094 TO 8112  
 ANGLE = 34.49  
 MAXIMUM AMP VALUE = 69



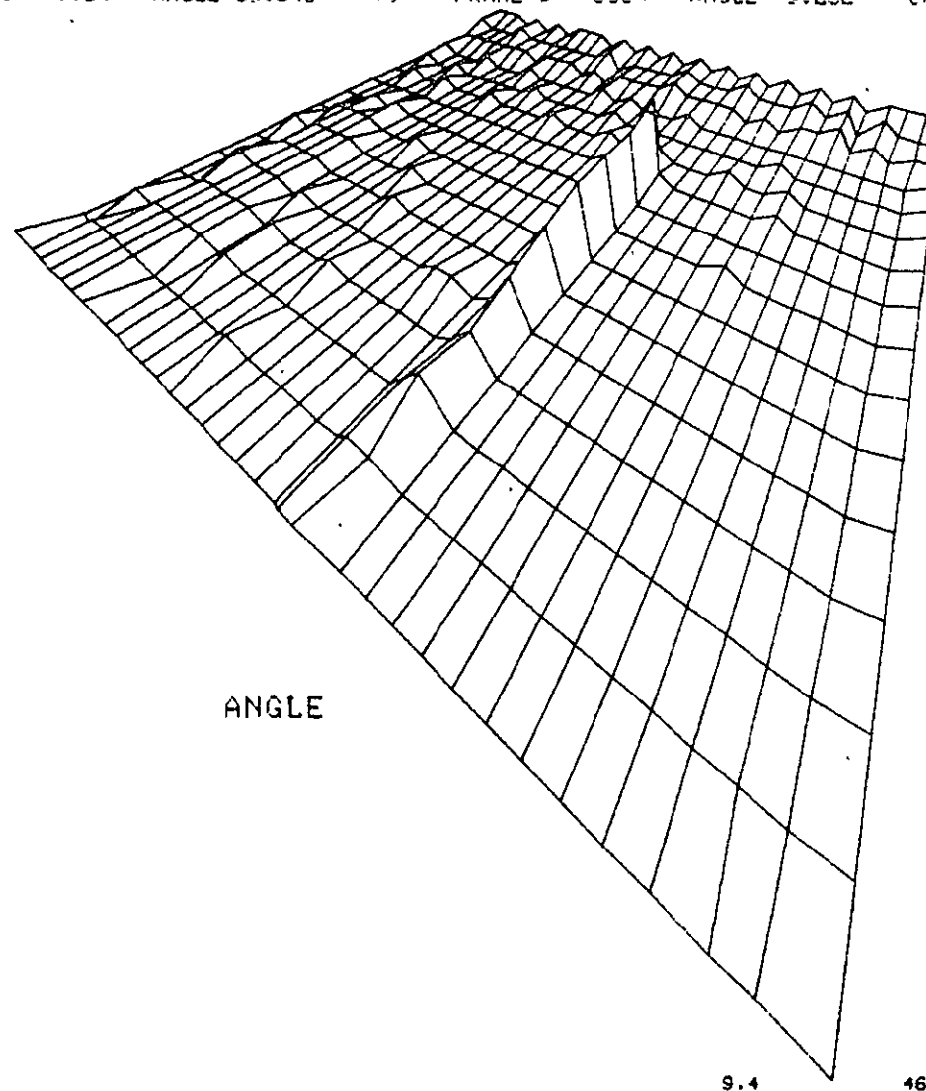
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NASA PROJECT DUST DEVIL DAY 238 RUN # 4... TAPE 1 OF 2- 6110  
 \* SCAN # 10 FRAME # 7764 ANGLE 64.346 TO FRAME # 8363 ANGLE 2.222 CRITICAL AMP AT CELL 62  
 OPTION # 21-1

MAXIMUM U = 8.0  
 AVERAGE U = 1.5

ANGLE  
 1 64.8  
 2 64.3  
 3 63.3  
 4 62.1  
 5 60.5  
 6 58.8  
 7 57.0  
 8 55.3  
 9 53.5  
 10 51.7  
 11 50.0  
 12 48.3  
 13 46.6  
 14 44.9  
 15 43.2  
 16 41.5  
 17 39.7  
 18 38.0  
 19 36.2  
 20 34.5  
 21 32.8  
 22 31.0  
 23 29.2  
 24 27.6  
 25 25.8  
 26 24.0  
 27 22.2  
 28 20.5  
 29 18.7  
 30 17.0  
 31 15.1  
 32 13.3  
 33 11.6  
 34 10.2  
 35 9.4

64.8



160.5

P

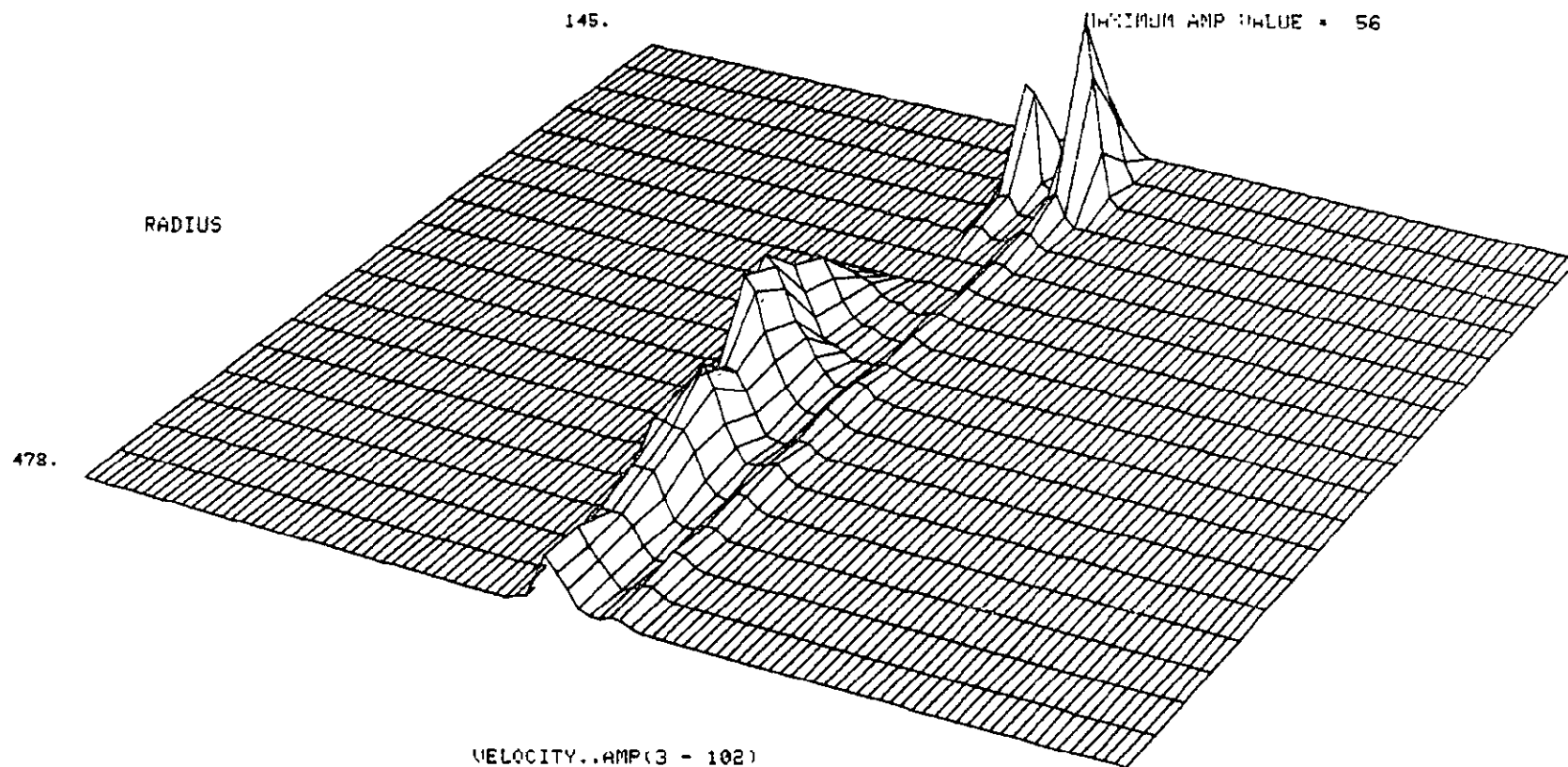
P  
 1 160.5  
 2 179.6  
 3 198.7  
 4 217.8  
 5 236.9  
 6 256.1  
 7 275.2  
 8 294.3  
 9 313.4  
 10 332.5  
 11 351.6  
 12 370.3  
 13 389.3  
 14 409.0  
 15 428.1  
 16 466.3

9.4

466.3

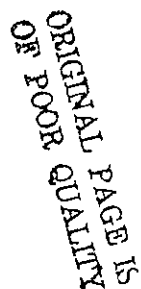
U, R, A DISPLAY (VELOCITY AT I MAX)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 10 FRAME # 7764 ANGLE 64.846 TO FRAME # 8369 ANGLE 9.232 CRITICAL AMP AT CELL 62  
 FRAME # 8130 TO 8149  
 ANGLE = 30.94  
 MAXIMUM AMP VALUE = 56



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8



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 10 FRAME # 7764 ANGLE 64.846 TO FRAME # 9369 ANGLE 9.282 CRITICAL AMP AT CELL 62

OPTION # 21-2

MAXIMUM U = 14.0

AVERAGE U = 3.3

ANGLE  
 1 64.8  
 2 64.3  
 3 63.3  
 4 62.1  
 5 60.5  
 6 58.8  
 7 57.0  
 8 55.3  
 9 53.5  
 10 51.7  
 11 50.0  
 12 48.3  
 13 46.6  
 14 44.9  
 15 43.2  
 16 41.5  
 17 39.7  
 18 38.0  
 19 36.2  
 20 34.5  
 21 32.8  
 22 31.0  
 23 29.2  
 24 27.6  
 25 25.8  
 26 24.0  
 27 22.2  
 28 20.5  
 29 18.7  
 30 17.0  
 31 15.1  
 32 13.3  
 33 11.6  
 34 10.2  
 35 9.4

64.8

ANGLE

9.4

160.5

R

466.3

R  
 1 160.5  
 2 179.6  
 3 198.7  
 4 217.8  
 5 236.9  
 6 256.1  
 7 275.2  
 8 294.3  
 9 313.4  
 10 332.5  
 11 351.6  
 12 370.8  
 13 389.9  
 14 409.0  
 15 428.1  
 16 446.3

U, R, A DISPLAY (VELOCITY AT I<sub>MAX</sub>)

NASA PROJECT DUST DEVIL DAY 238 PUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 10 FRAME # 7764 ANGLE 64.846 TO FRAME # 8369 ANGLE 9.232 CRITICAL AMP AT CELL 62

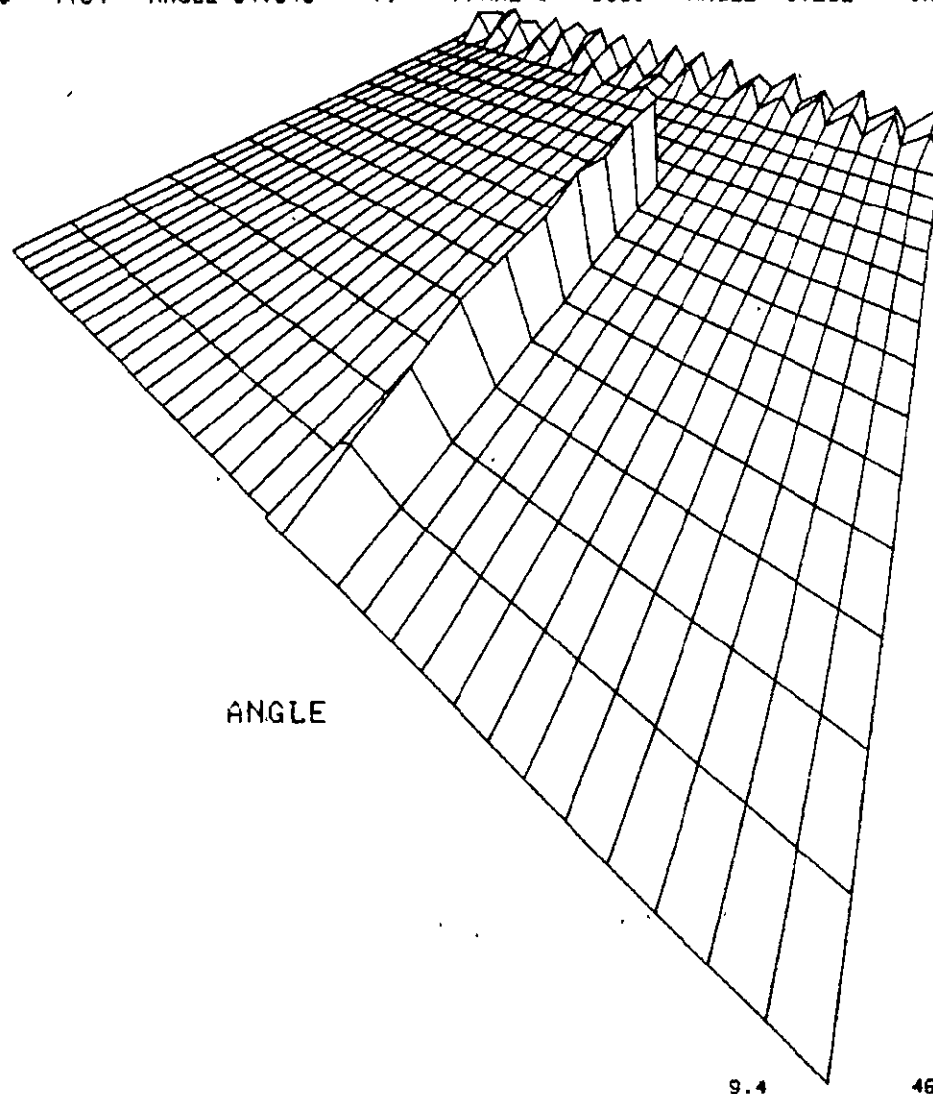
OPTION # 22-1

MAXIMUM U = 9.0

AVERAGE U = 1.3

ANGLE  
 1 64.8  
 2 64.3  
 3 63.3  
 4 62.1  
 5 60.5  
 6 58.8  
 7 57.0  
 8 55.3  
 9 53.5  
 10 51.7  
 11 50.0  
 12 48.3  
 13 46.6  
 14 44.9  
 15 43.2  
 16 41.5  
 17 39.7  
 18 38.0  
 19 36.2  
 20 34.5  
 21 32.8  
 22 31.0  
 23 29.2  
 24 27.6  
 25 25.8  
 26 24.0  
 27 22.2  
 28 20.5  
 29 18.7  
 30 17.0  
 31 15.1  
 32 13.3  
 33 11.6  
 34 10.2  
 35 9.4

64.8



160.5

R  
 1 160.5  
 2 179.6  
 3 198.7  
 4 217.8  
 5 236.9  
 6 256.1  
 7 275.2  
 8 294.3  
 9 313.4  
 10 332.5  
 11 351.6  
 12 370.3  
 13 389.9  
 14 409.0  
 15 428.1  
 16 466.3

R

ANGLE

9.4

466.3

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 235 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 10 FRAME # 7764 ANGLE 64.846 TO FRAME # 8369 ANGLE 9.282 CRITICAL AMP AT CELL 62

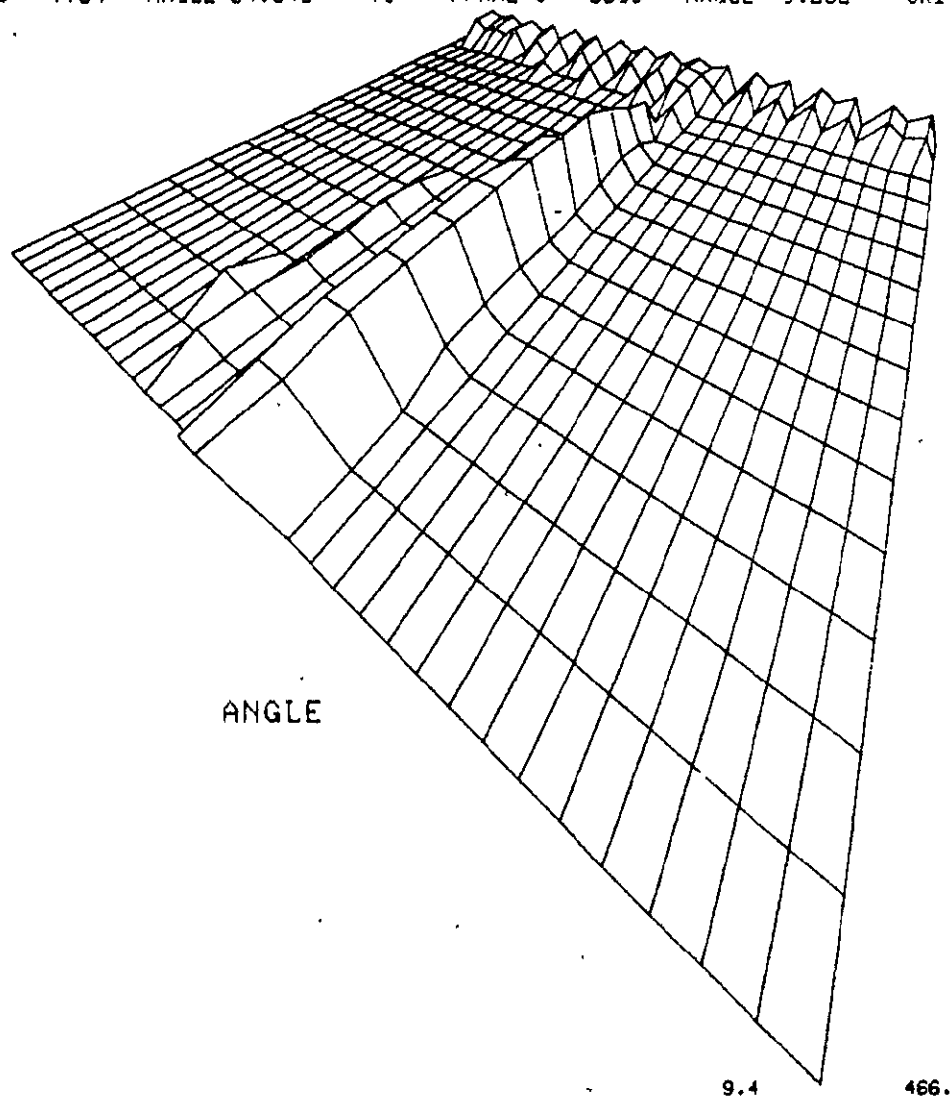
OPTION # 22-2

MAXIMUM U = 15.0

AVERAGE U = 2.0

ANGLE  
 1 64.8  
 2 64.3  
 3 63.3  
 4 62.1  
 5 60.5  
 6 58.8  
 7 57.0  
 8 55.3  
 9 53.5  
 10 51.7  
 11 50.0  
 12 48.3  
 13 46.6  
 14 44.9  
 15 43.2  
 16 41.5  
 17 39.7  
 18 38.0  
 19 36.2  
 20 34.5  
 21 32.8  
 22 31.0  
 23 29.2  
 24 27.6  
 25 25.8  
 26 24.0  
 27 22.2  
 28 20.5  
 29 18.7  
 30 17.0  
 31 15.1  
 32 13.3  
 33 11.6  
 34 10.2  
 35 9.4

64.8



160.5

R  
 1 160.5  
 2 179.6  
 3 198.7  
 4 217.8  
 5 236.9  
 6 256.1  
 7 275.2  
 8 294.3  
 9 313.4  
 10 332.5  
 11 351.6  
 12 370.3  
 13 389.9  
 14 409.0  
 15 428.1  
 16 446.3

R

ANGLE

9.4

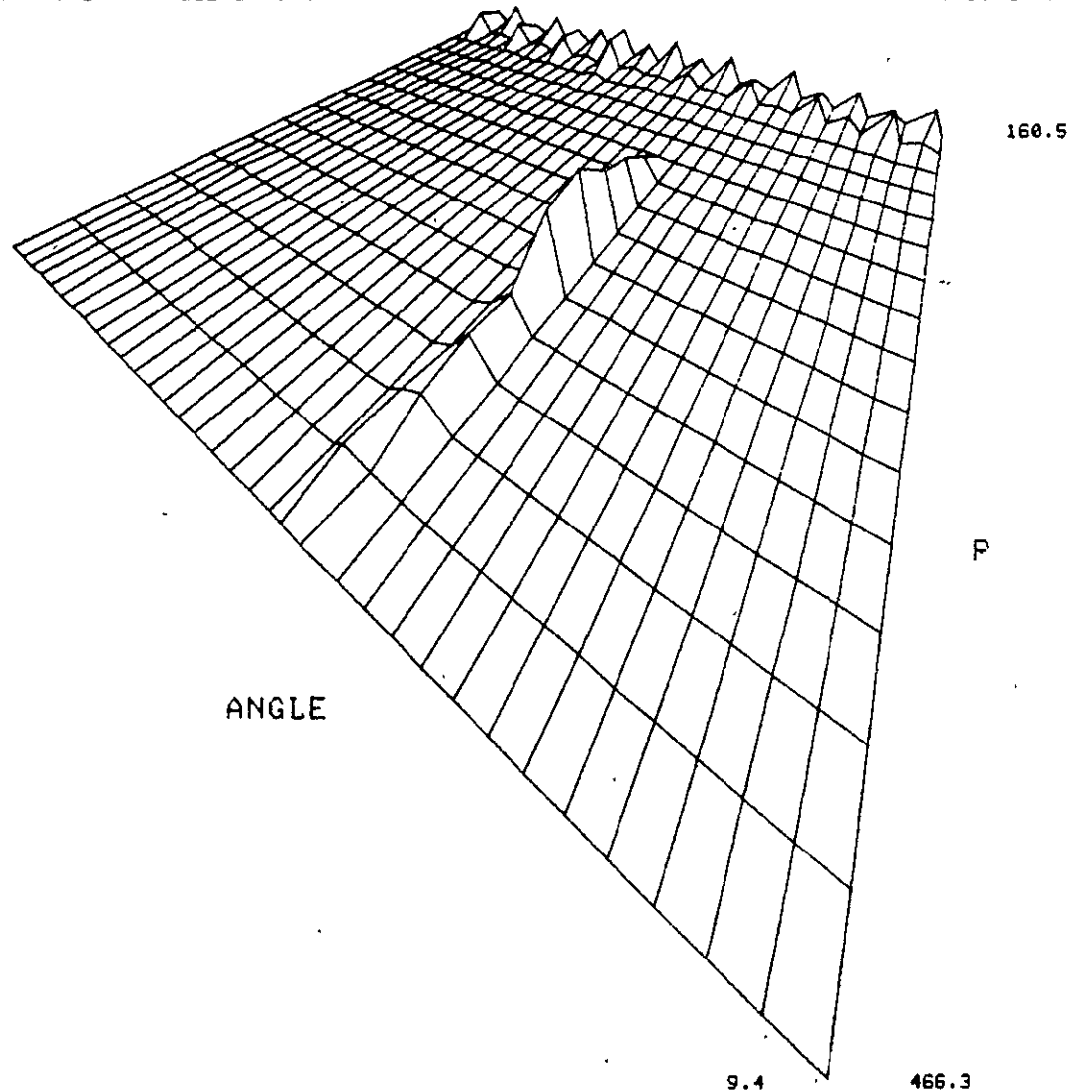
466.3

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 2110  
 \* SCAN # 10 FRAME # 7764 ANGLE 64.246 TO FRAME # 3369 ANGLE 9.232 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 64.8  
 2 64.3  
 3 63.3  
 4 62.1  
 5 60.5  
 6 58.8  
 7 57.0  
 8 55.3  
 9 53.5  
 10 51.7  
 11 50.0  
 12 48.3  
 13 46.6  
 14 44.9  
 15 43.2  
 16 41.5  
 17 39.7  
 18 38.0  
 19 36.2  
 20 34.5  
 21 32.8  
 22 31.0  
 23 29.2  
 24 27.6  
 25 25.8  
 26 24.0  
 27 22.2  
 28 20.5  
 29 18.7  
 30 17.0  
 31 15.1  
 32 13.3  
 33 11.6  
 34 10.2  
 35 9.4

P  
 1 160.5  
 2 179.6  
 3 198.7  
 4 217.8  
 5 236.9  
 6 256.1  
 7 275.2  
 8 294.3  
 9 313.4  
 10 332.5  
 11 351.6  
 12 370.3  
 13 389.9  
 14 409.0  
 15 428.1  
 16 466.3



U \* I MAX, R, A DISPLAY

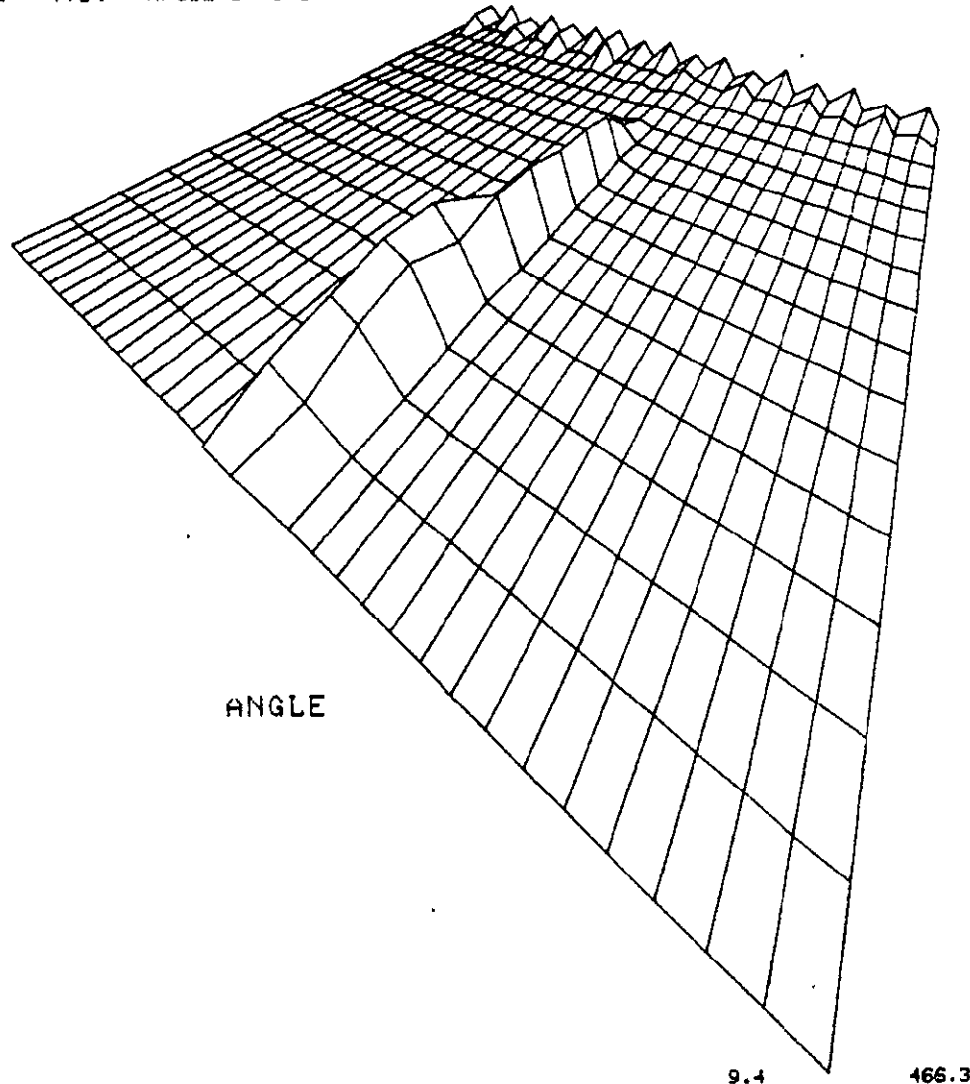
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 OF POOR QUALITY



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 10 FRAME # 7764 ANGLE 64.846 TO FRAME # 8369 ANGLE 9.282 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 64.8  
 2 64.3  
 3 63.3  
 4 62.1  
 5 60.5  
 6 58.8  
 7 57.0  
 8 55.3  
 9 53.5  
 10 51.7  
 11 50.0  
 12 48.3  
 13 46.6  
 14 44.9  
 15 43.2  
 16 41.5  
 17 39.7  
 18 38.0  
 19 36.2  
 20 34.5  
 21 32.8  
 22 31.0  
 23 29.2  
 24 27.6  
 25 25.8  
 26 24.0  
 27 22.2  
 28 20.5  
 29 18.7  
 30 17.0  
 31 15.1  
 32 13.3  
 33 11.6  
 34 10.2  
 35 9.4

R  
 1 160.5  
 2 179.6  
 3 198.7  
 4 217.8  
 5 236.9  
 6 256.1  
 7 275.2  
 8 294.3  
 9 313.4  
 10 332.5  
 11 351.6  
 12 370.8  
 13 389.9  
 14 409.0  
 15 428.1  
 16 446.3



U \* I<sub>max</sub>, R, A DISPLAY

ORIGINAL PAGE IS  
 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 2110  
 \* SCAN # 11 FRAME # 8369 ANGLE 9.232 TO FRAME # 9997 ANGLE 65.042 CRITICAL AMP AT CELL 62

OPTION # 11-1

MAXIMUM I = 44.0

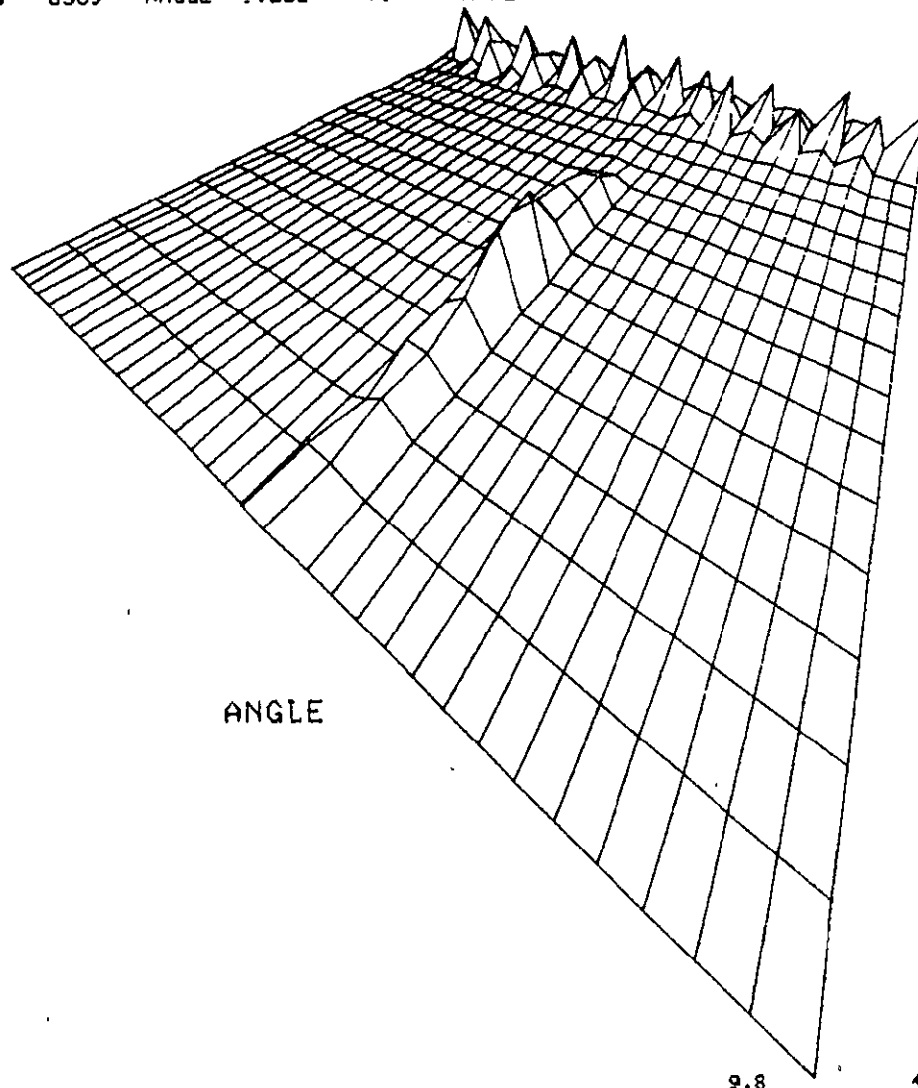
AVERAGE I = 2.4

ANGLE

1	9.8
2	10.3
3	11.2
4	12.5
5	14.0
6	15.8
7	17.6
8	19.2
9	20.9
10	22.7
11	24.5
12	26.3
13	28.0
14	29.7
15	31.5
16	33.3
17	35.0
18	36.7
19	38.4
20	40.2
21	42.0
22	43.7
23	45.3
24	47.0
25	48.7
26	50.4
27	52.1
28	53.9
29	55.7
30	57.3
31	59.1
32	60.9
33	62.7
34	64.3
35	64.7

64.7

ANGLE



144.7

	R
1	144.7
2	164.2
3	183.6
4	203.1
5	222.5
6	241.9
7	261.4
8	280.8
9	300.3
10	319.7
11	339.1
12	358.6
13	378.0
14	397.5
15	416.9
16	436.4
17	475.2

9.8

9.8

475.2

IMAX, R, A DISPLAY

ORIGINAL PAGE IS  
OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 11 FRAME # 8369 ANGLE 9.282 TO FRAME # 8997 ANGLE 65.042 CRITICAL AMP AT CELL 62

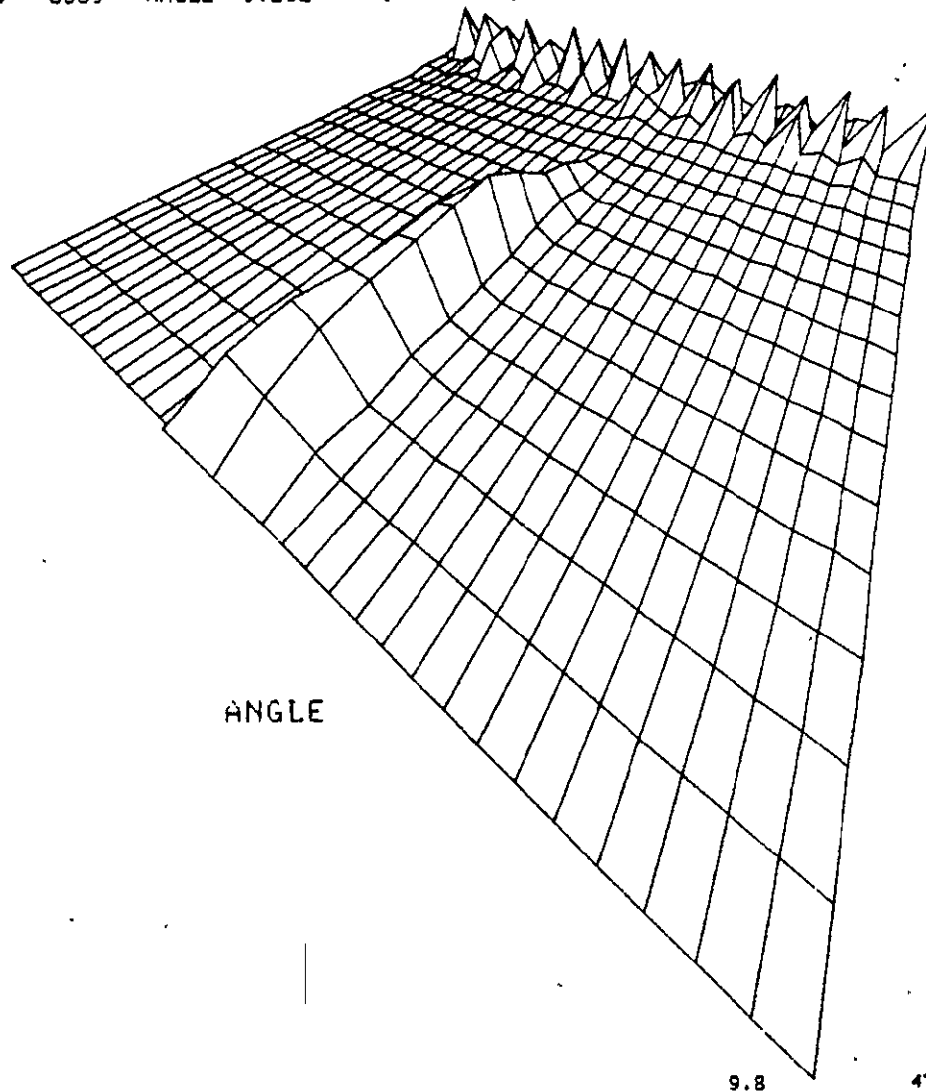
OPTION # 11-2

MAXIMUM I = 68.0

AVERAGE I = 5.5

ANGLE  
 1 9.8  
 2 10.3  
 3 11.2  
 4 12.5  
 5 14.0  
 6 15.8  
 7 17.6  
 8 19.2  
 9 20.9  
 10 22.7  
 11 24.5  
 12 26.3  
 13 28.0  
 14 29.7  
 15 31.5  
 16 33.3  
 17 35.0  
 18 36.7  
 19 38.4  
 20 40.2  
 21 42.0  
 22 43.7  
 23 45.3  
 24 47.0  
 25 48.7  
 26 50.4  
 27 52.1  
 28 53.9  
 29 55.7  
 30 57.3  
 31 59.1  
 32 60.9  
 33 62.7  
 34 64.3  
 35 64.7

64.7



144.7

R  
 1 144.7  
 2 164.2  
 3 183.6  
 4 203.1  
 5 222.5  
 6 241.9  
 7 261.4  
 8 280.8  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.5  
 15 416.9  
 16 436.4  
 17 455.8

0

9.8

475.2

IMAX, R, A DISPLAY

ORIGINAL PAGE IS  
 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 11 FRAME # 8369 ANGLE 9.282 TO FRAME # 8997 ANGLE 65.042 CRITICAL AMP AT CELL 62

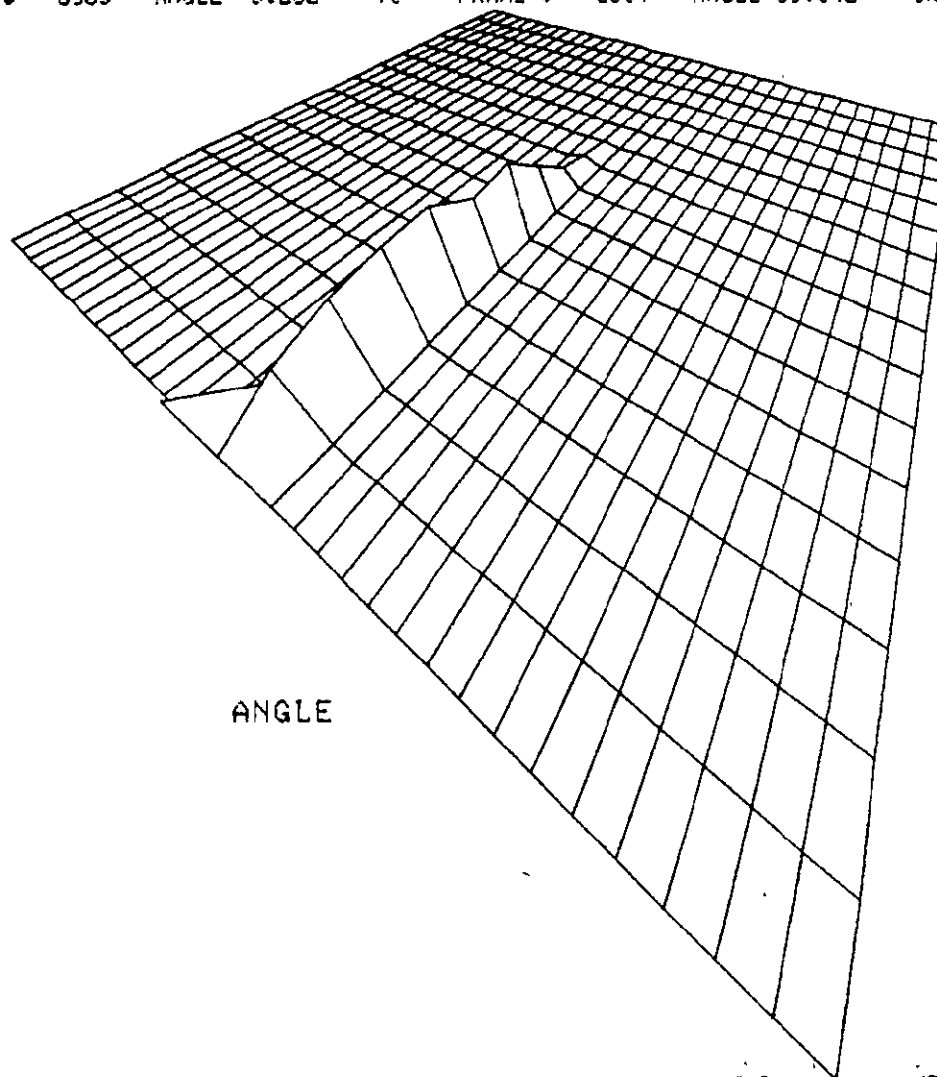
OPTION # 12-1

MAXIMUM I = 63.0

AVERAGE I = 0.9

ANGLE  
 1 9.8  
 2 10.3  
 3 11.2  
 4 12.5  
 5 14.0  
 6 15.8  
 7 17.6  
 8 19.2  
 9 20.9  
 10 22.7  
 11 24.5  
 12 26.3  
 13 28.0  
 14 29.7  
 15 31.5  
 16 33.3  
 17 35.0  
 18 36.7  
 19 38.4  
 20 40.2  
 21 42.0  
 22 43.7  
 23 45.3  
 24 47.0  
 25 48.7  
 26 50.4  
 27 52.1  
 28 53.9  
 29 55.7  
 30 57.3  
 31 59.1  
 32 60.9  
 33 62.7  
 34 64.3  
 35 64.7

64.7



144.7

R  
 1 144.7  
 2 164.2  
 3 183.6  
 4 203.1  
 5 222.5  
 6 241.9  
 7 261.4  
 8 280.8  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.5  
 15 416.9  
 16 436.4  
 17 455.2

R

ANGLE

9.8

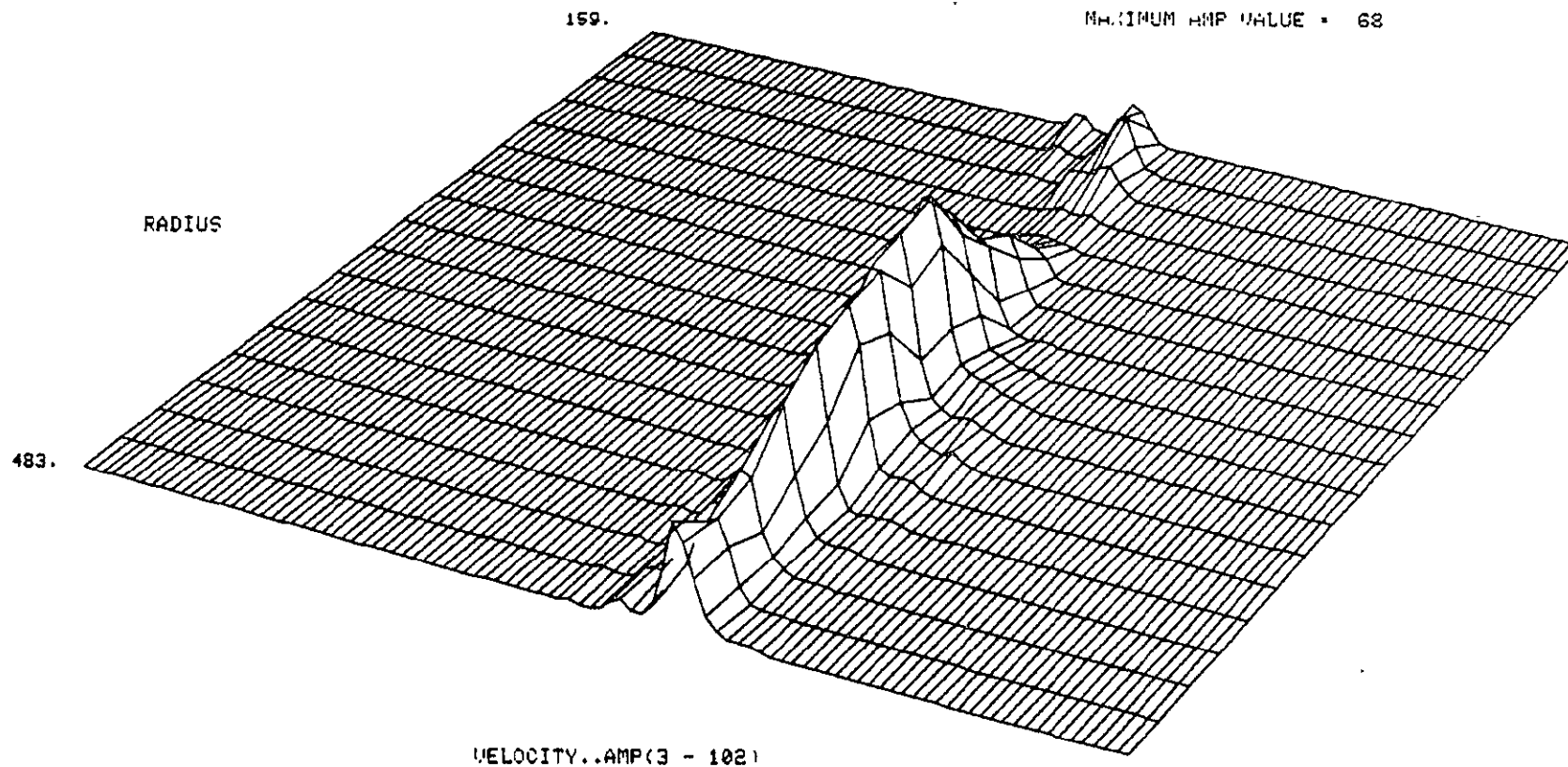
475.2

I, R, A DISPLAY AT VELOCITY CELL 62

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 OF POOR QUALITY

\*

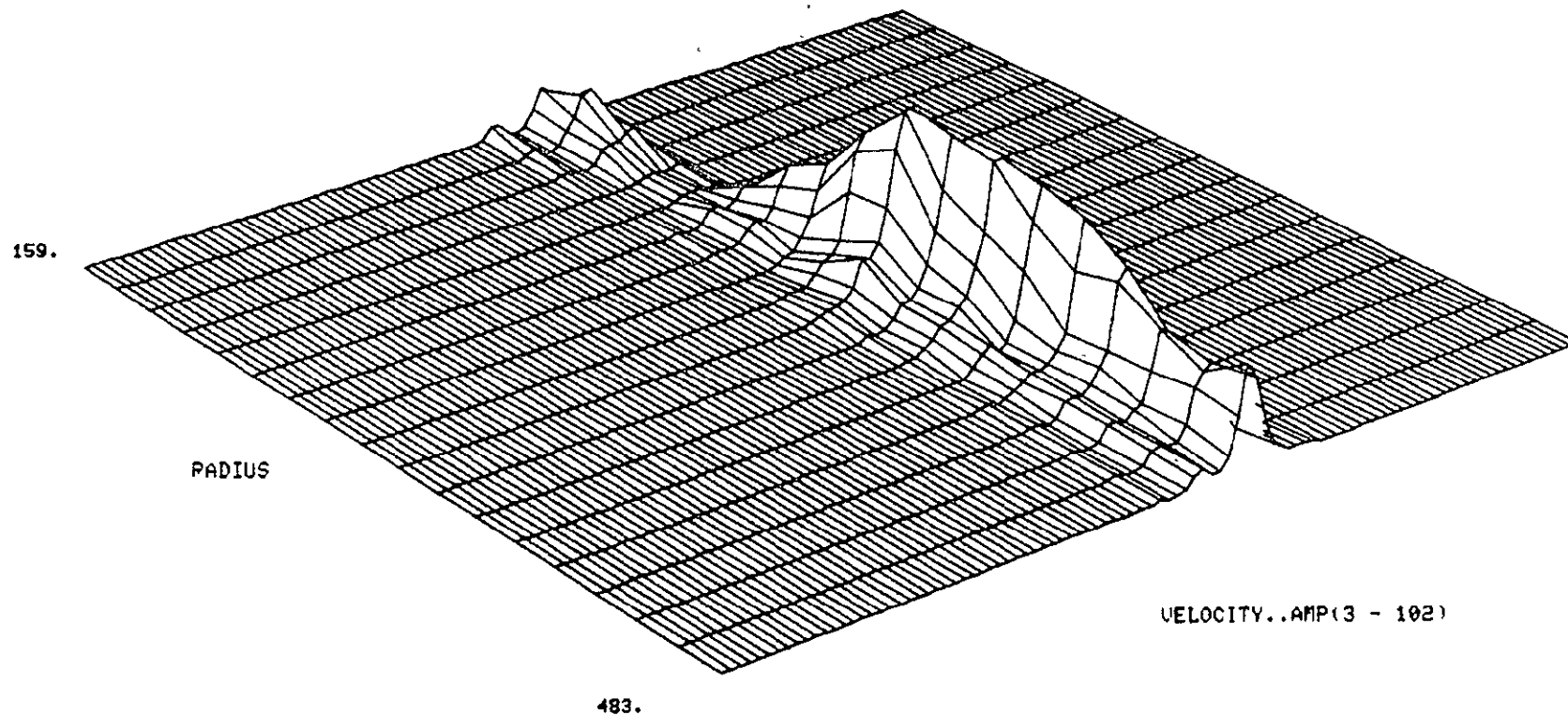
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
SCAN # 11 FRAME # 8369 ANGLE 9.232 TO FRAME # 8997 ANGLE 65.042 CRITICAL AMP AT CELL 62  
FRAME # 8659 TO 8677  
ANGLE = 35.01  
MAXIMUM AMP VALUE = 68



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\*

NASA PROJECT DUST DEVIL      DAY 233      RUN # 4      TAPE 1 OF 2- 6110  
SCAN # 11      FRAME # 8369      ANGLE 9.232      TO      FRAME # 8997      ANGLE 65.042      CRITICAL AMP AT CELL 62  
FRAME # 8659 TO 8677  
ANGLE = 35.01  
MAXIMUM AMP VALUE = 68

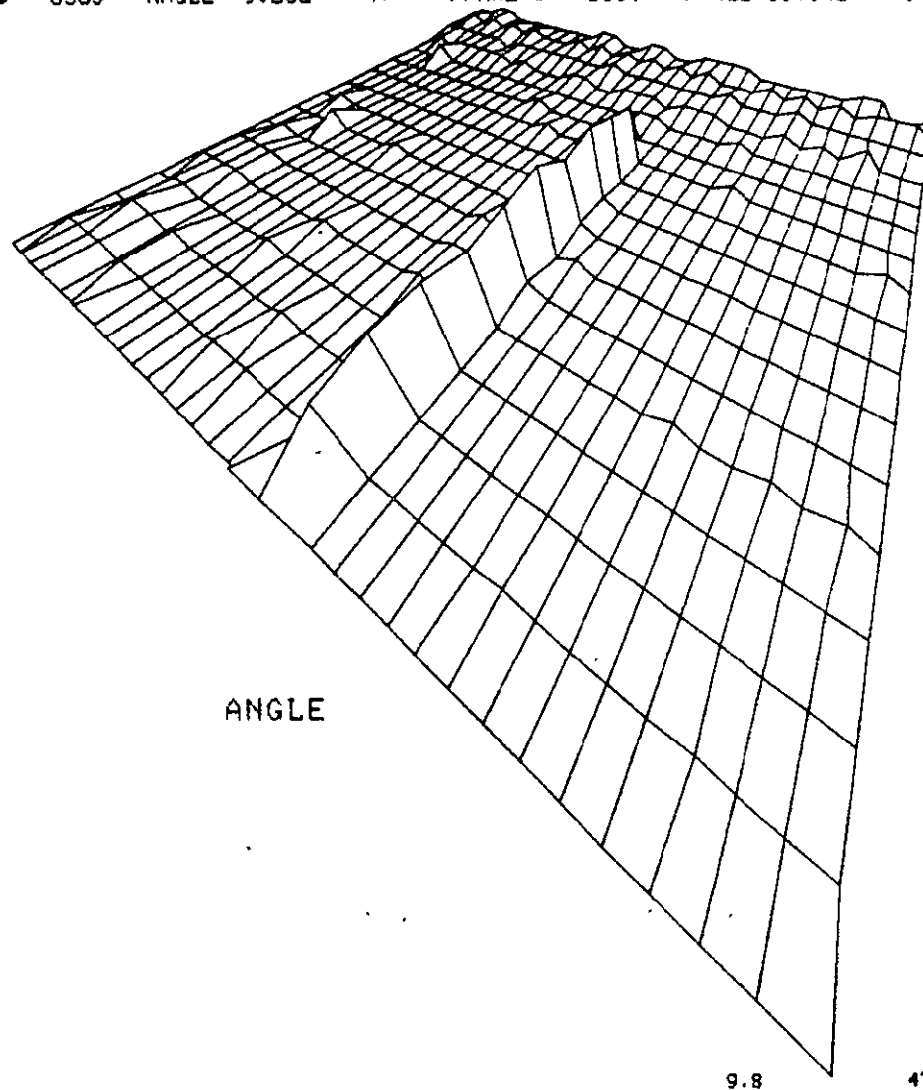


NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 8110  
 \* SCAN # 11 FRAME # 3369 ANGLE 9.232 TO FRAME # 3997 ANGLE 65.042 CRITICAL AMP AT CELL 62  
 OPTION # 21-1

MAXIMUM U = 10.0  
 AVERAGE U = 1.5

ANGLE  
 1 9.8  
 2 10.3  
 3 11.2  
 4 12.5  
 5 14.0  
 6 15.8  
 7 17.6  
 8 19.2  
 9 20.9  
 10 22.7  
 11 24.5  
 12 26.3  
 13 28.0  
 14 29.7  
 15 31.5  
 16 33.3  
 17 35.0  
 18 36.7  
 19 38.4  
 20 40.2  
 21 42.0  
 22 43.7  
 23 45.3  
 24 47.0  
 25 48.7  
 26 50.4  
 27 52.1  
 28 53.9  
 29 55.7  
 30 57.3  
 31 59.1  
 32 60.9  
 33 62.7  
 34 64.3  
 35 64.7

64.7



ANGLE

9.8

475.2

144.7

R  
 1 144.7  
 2 164.2  
 3 183.6  
 4 203.1  
 5 222.5  
 6 241.9  
 7 261.4  
 8 280.2  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.5  
 15 416.9  
 16 436.4  
 17 455.2

U, R, A DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 11 FRAME # 8369 ANGLE 9.292 TO FRAME # 3997 ANGLE 65.042 CRITICAL AMP AT CELL 62

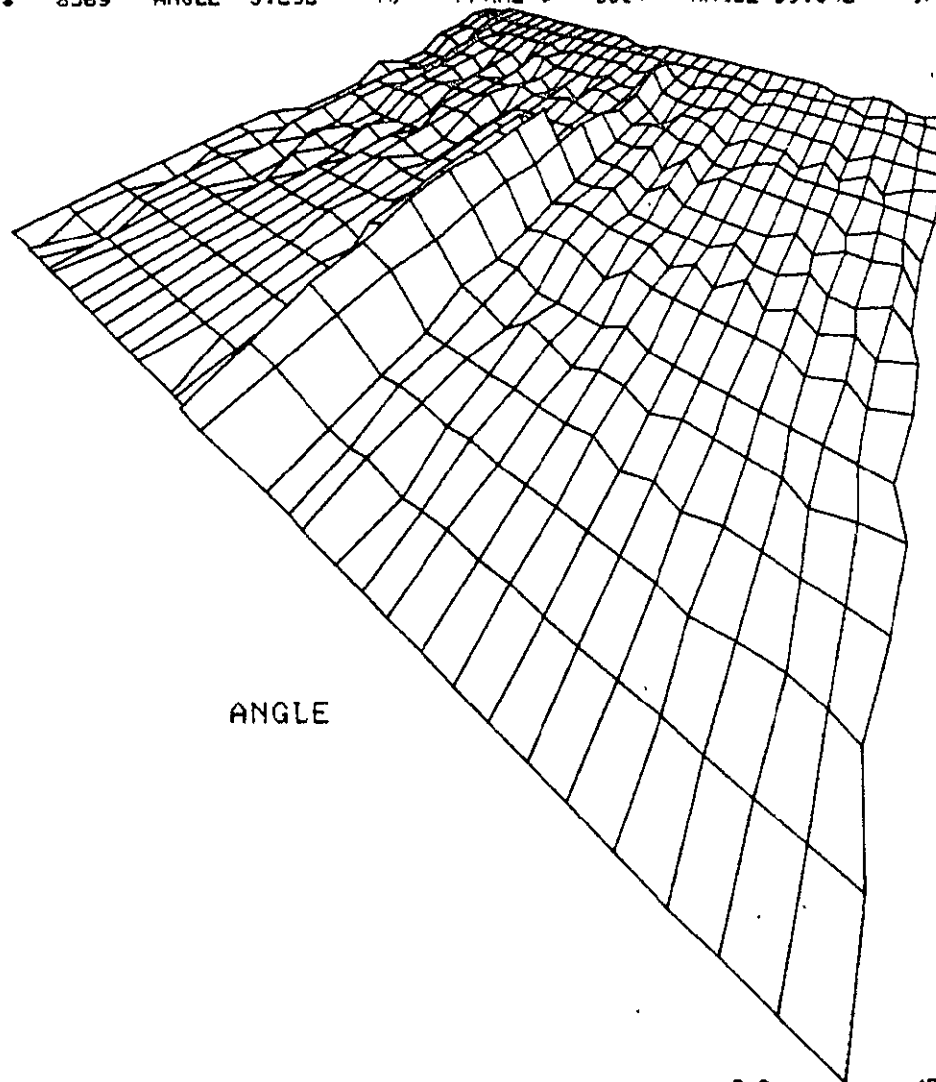
OPTION # 21-2

MAXIMUM U = 13.0

AVERAGE U = 3.2

ANGLE  
 1 9.8  
 2 10.3  
 3 11.2  
 4 12.5  
 5 14.0  
 6 15.8  
 7 17.6  
 8 19.2  
 9 20.9  
 10 22.7  
 11 24.5  
 12 26.3  
 13 28.0  
 14 29.7  
 15 31.5  
 16 33.3  
 17 35.0  
 18 36.7  
 19 38.4  
 20 40.2  
 21 42.0  
 22 43.7  
 23 45.3  
 24 47.0  
 25 48.7  
 26 50.4  
 27 52.1  
 28 53.9  
 29 55.7  
 30 57.3  
 31 59.1  
 32 60.9  
 33 62.7  
 34 64.3  
 35 64.7

64.7



144.7

R  
 1 144.7  
 2 164.2  
 3 183.6  
 4 203.1  
 5 222.5  
 6 241.9  
 7 261.4  
 8 280.8  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.5  
 15 416.9  
 16 436.4  
 17 475.2

R

9.8

475.2

U, R, A DISPLAY (VELOCITY AT I MAX)

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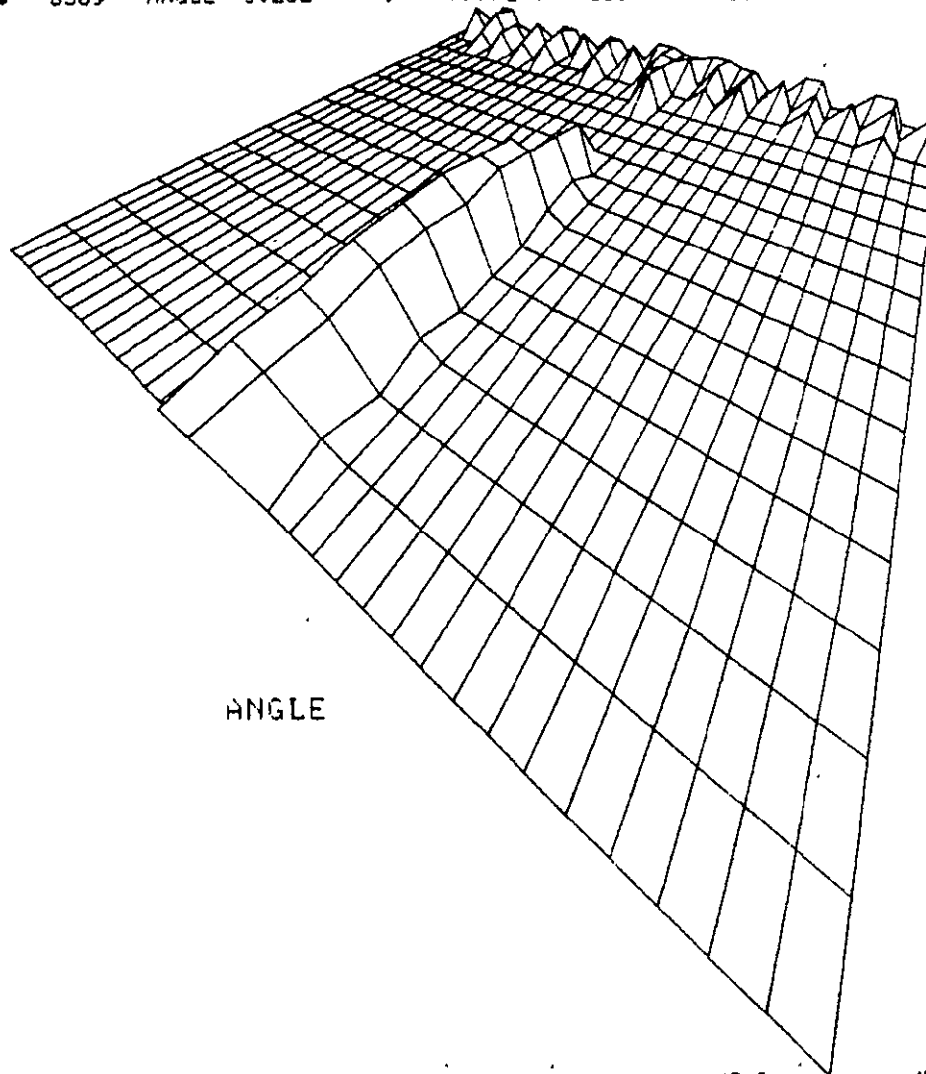


NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 11 FRAME # 8369 ANGLE 9.282 TO FRAME # 3997 ANGLE 65.042 CRITICAL WMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 14.0  
 AVERAGE U = 1.7

ANGLE  
 1 9.8  
 2 10.3  
 3 11.2  
 4 12.5  
 5 14.0  
 6 15.8  
 7 17.6  
 8 19.2  
 9 20.9  
 10 22.7  
 11 24.5  
 12 26.3  
 13 28.0  
 14 29.7  
 15 31.5  
 16 33.3  
 17 35.0  
 18 36.7  
 19 38.4  
 20 40.2  
 21 42.0  
 22 43.7  
 23 45.3  
 24 47.0  
 25 48.7  
 26 50.4  
 27 52.1  
 28 53.9  
 29 55.7  
 30 57.3  
 31 59.1  
 32 60.9  
 33 62.7  
 34 64.3  
 35 64.7

64.7



144.7

R  
 1 144.7  
 2 164.2  
 3 183.6  
 4 203.1  
 5 222.5  
 6 241.9  
 7 261.4  
 8 280.3  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.5  
 15 416.9  
 16 436.4  
 17 455.2

R

ANGLE

9.8

475.2

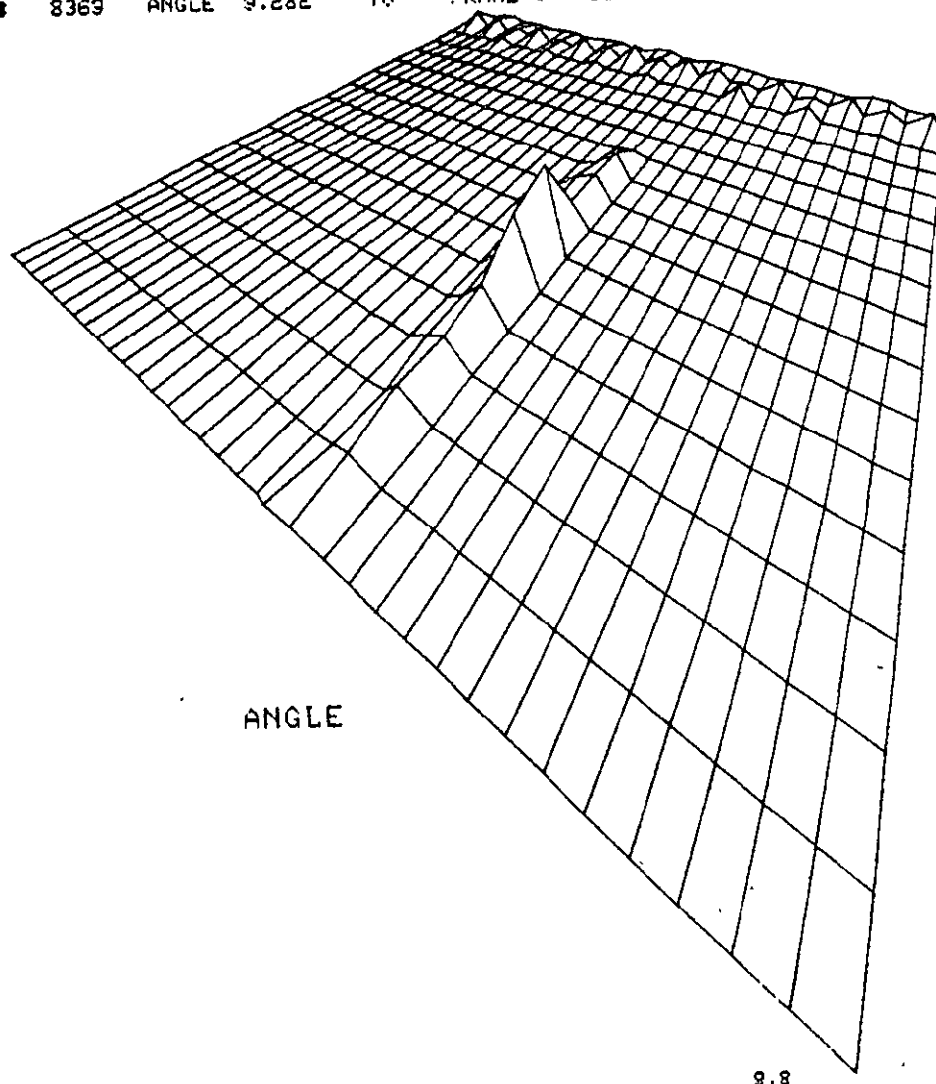
U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 11 FRAME # 8369 ANGLE 9.282 TO FRAME # 2997 ANGLE 65.042 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 9.8  
 2 10.3  
 3 11.2  
 4 12.5  
 5 14.0  
 6 15.8  
 7 17.6  
 8 19.2  
 9 20.9  
 10 22.7  
 11 24.5  
 12 26.3  
 13 28.0  
 14 29.7  
 15 31.5  
 16 33.3  
 17 35.0  
 18 36.7  
 19 38.4  
 20 40.2  
 21 42.0  
 22 43.7  
 23 45.3  
 24 47.0  
 25 48.7  
 26 50.4  
 27 52.1  
 28 53.9  
 29 55.7  
 30 57.3  
 31 59.1  
 32 60.9  
 33 62.7  
 34 64.3  
 35 64.7

64.7



144.7

R  
 1 144.7  
 2 164.2  
 3 183.6  
 4 203.1  
 5 222.5  
 6 241.9  
 7 261.4  
 8 280.8  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.5  
 15 416.9  
 16 436.4  
 17 455.2

9.8

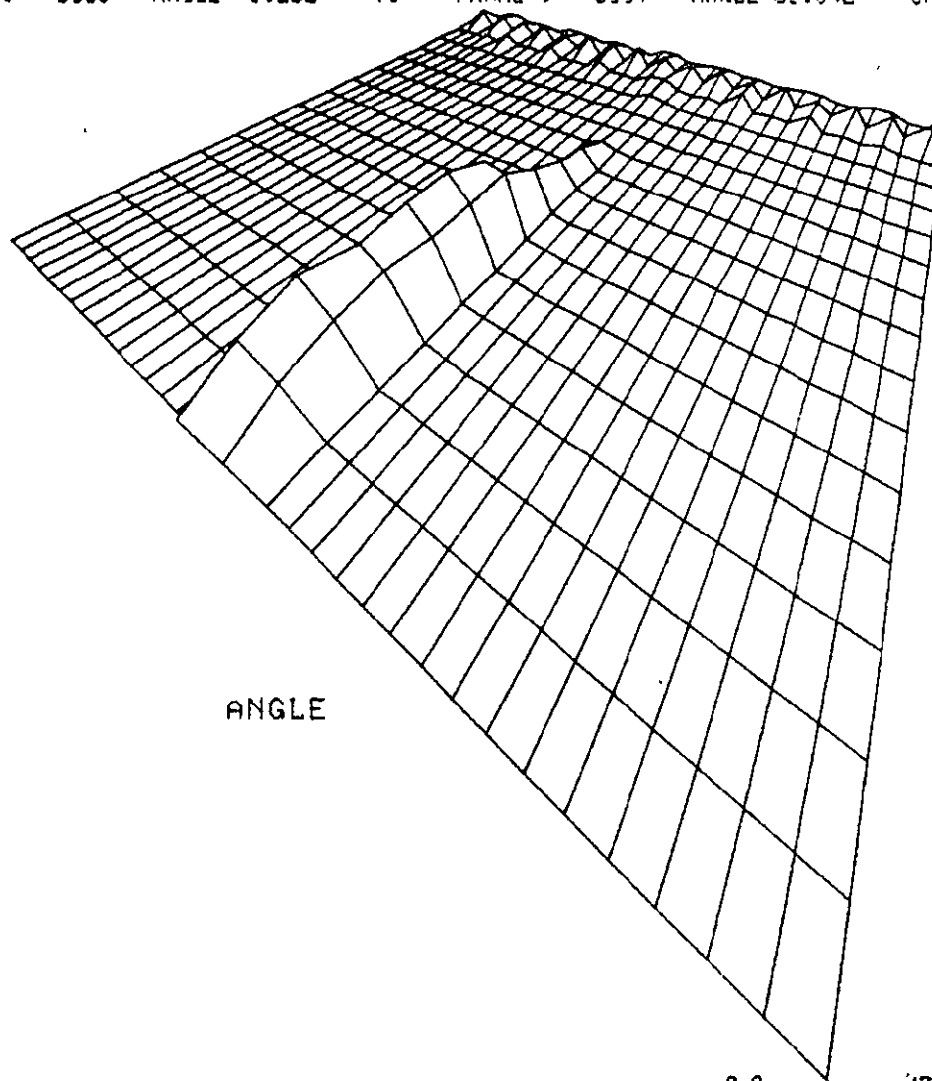
475.2

U \* IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 11 FRAME # 8369 ANGLE 9.222 TO FRAME # 8997 ANGLE 65.042 CRITICAL WMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 9.8  
 2 10.3  
 3 11.2  
 4 12.5  
 5 14.0  
 6 15.8  
 7 17.6  
 8 19.2  
 9 20.9  
 10 22.7  
 11 24.5  
 12 26.3  
 13 28.0  
 14 29.7  
 15 31.5  
 16 33.3  
 17 35.0  
 18 36.7  
 19 38.4  
 20 40.2  
 21 42.0  
 22 43.7  
 23 45.3  
 24 47.0  
 25 48.7  
 26 50.4  
 27 52.1  
 28 53.9  
 29 55.7  
 30 57.3  
 31 59.1  
 32 60.9  
 33 62.7  
 34 64.3  
 35 64.7

64.7



144.7

P  
 1 144.7  
 2 164.2  
 3 183.6  
 4 203.1  
 5 222.5  
 6 241.9  
 7 261.4  
 8 280.8  
 9 300.3  
 10 319.7  
 11 339.1  
 12 358.6  
 13 378.0  
 14 397.5  
 15 416.9  
 16 436.4  
 17 455.2

R

ANGLE

9.8

475.2

U \* Imax, R, A DISPLAY

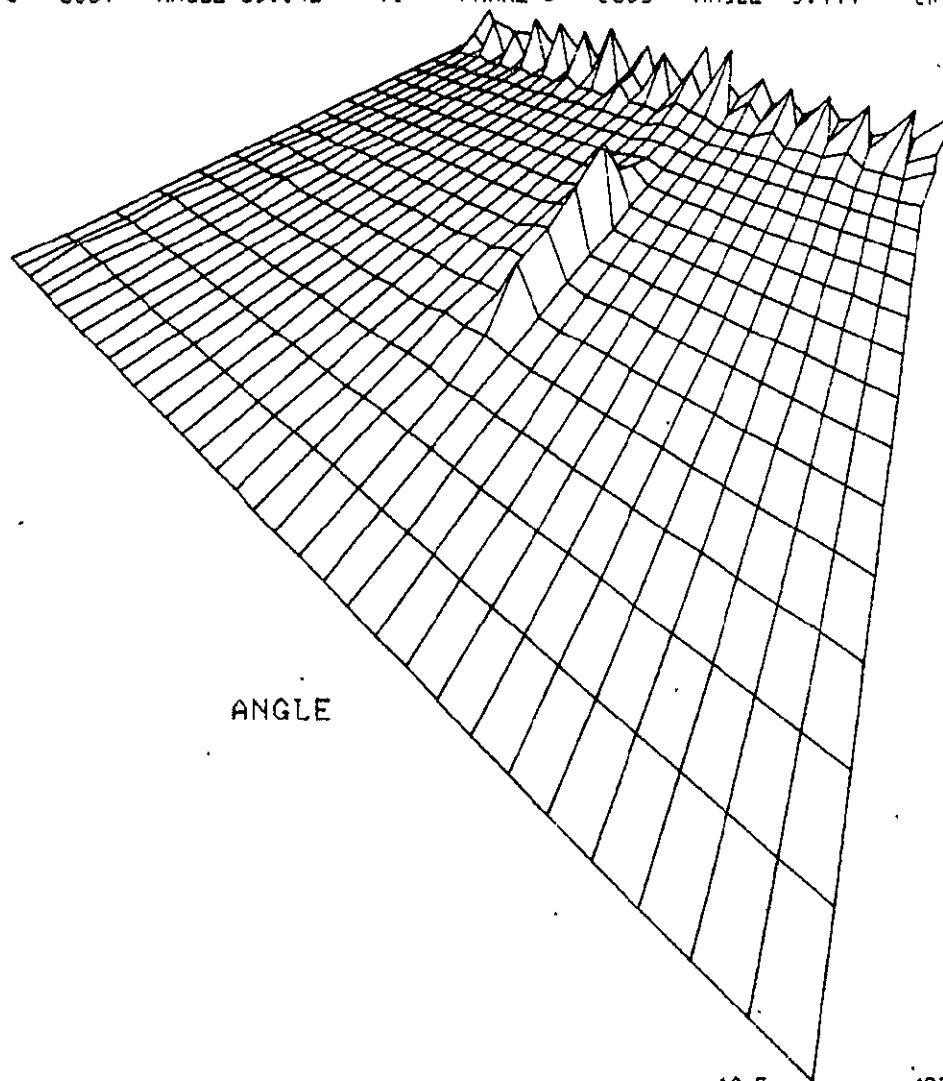
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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 12 FRAME # 8997 ANGLE 65.042 TO FRAME # 9606 ANGLE 9.444 CRITICAL AMP AT CELL 62  
 OPTION # 11-1

MAXIMUM I = 41.0  
 AVERAGE I = 2.0

ANGLE  
 1 64.8  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.9  
 6 59.2  
 7 57.4  
 8 55.6  
 9 53.8  
 10 52.1  
 11 50.4  
 12 48.7  
 13 47.0  
 14 45.4  
 15 43.7  
 16 42.0  
 17 40.2  
 18 38.4  
 19 36.7  
 20 35.0  
 21 33.2  
 22 31.4  
 23 29.7  
 24 28.0  
 25 26.2  
 26 24.4  
 27 22.6  
 28 20.9  
 29 19.1  
 30 17.4  
 31 15.6  
 32 13.7  
 33 12.0  
 34 10.5

64.8



153.8

R  
 1 153.8  
 2 173.2  
 3 192.6  
 4 212.0  
 5 231.4  
 6 250.8  
 7 270.2  
 8 289.6  
 9 309.0  
 10 328.4  
 11 347.8  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.8  
 17 463.6

R

ANGLE

10.5

483.6

IMAX, R, A DISPLAY

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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 2110  
 \* SCAN # 12 FRAME # 3997 ANGLE 65.042 TO FRAME # 9606 ANGLE 9.444 CRITICAL AMP AT CELL 62

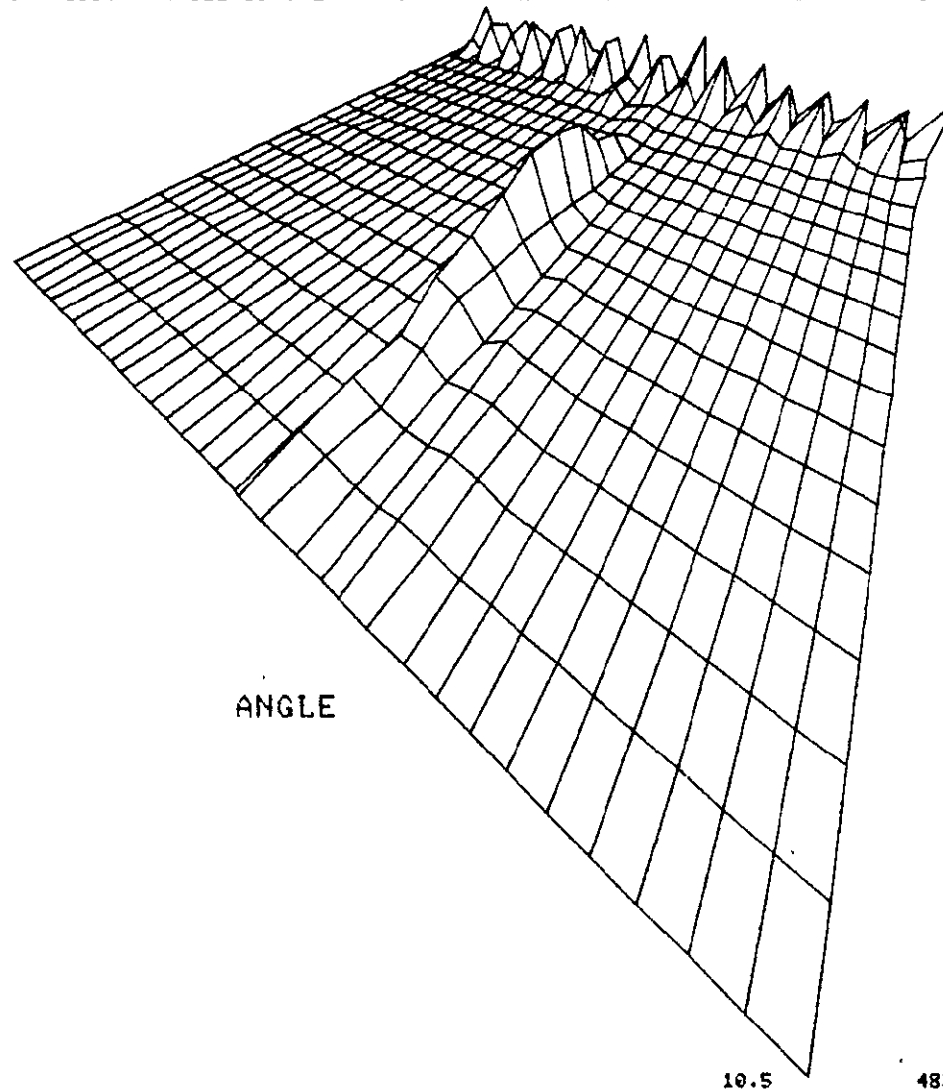
OPTION # 11-2

MAXIMUM I = 65.0

AVERAGE I = 4.8

ANGLE  
 1 64.8  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.9  
 6 59.2  
 7 57.4  
 8 55.6  
 9 53.8  
 10 52.1  
 11 50.4  
 12 48.7  
 13 47.0  
 14 45.4  
 15 43.7  
 16 42.0  
 17 40.2  
 18 38.4  
 19 36.7  
 20 35.0  
 21 33.2  
 22 31.4  
 23 29.7  
 24 28.0  
 25 26.2  
 26 24.4  
 27 22.6  
 28 20.9  
 29 19.1  
 30 17.4  
 31 15.6  
 32 13.7  
 33 12.0  
 34 10.5

64.8



153.8

R  
 1 153.8  
 2 173.2  
 3 192.6  
 4 212.0  
 5 231.4  
 6 250.8  
 7 270.2  
 8 289.6  
 9 309.0  
 10 328.4  
 11 347.8  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.8  
 17 463.6

R

ANGLE

10.5

483.6

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 12 FRAME # 9997 ANGLE 65.042 TO FRAME # 9906 ANGLE 9.444 CRITICAL AMP AT CELL 62

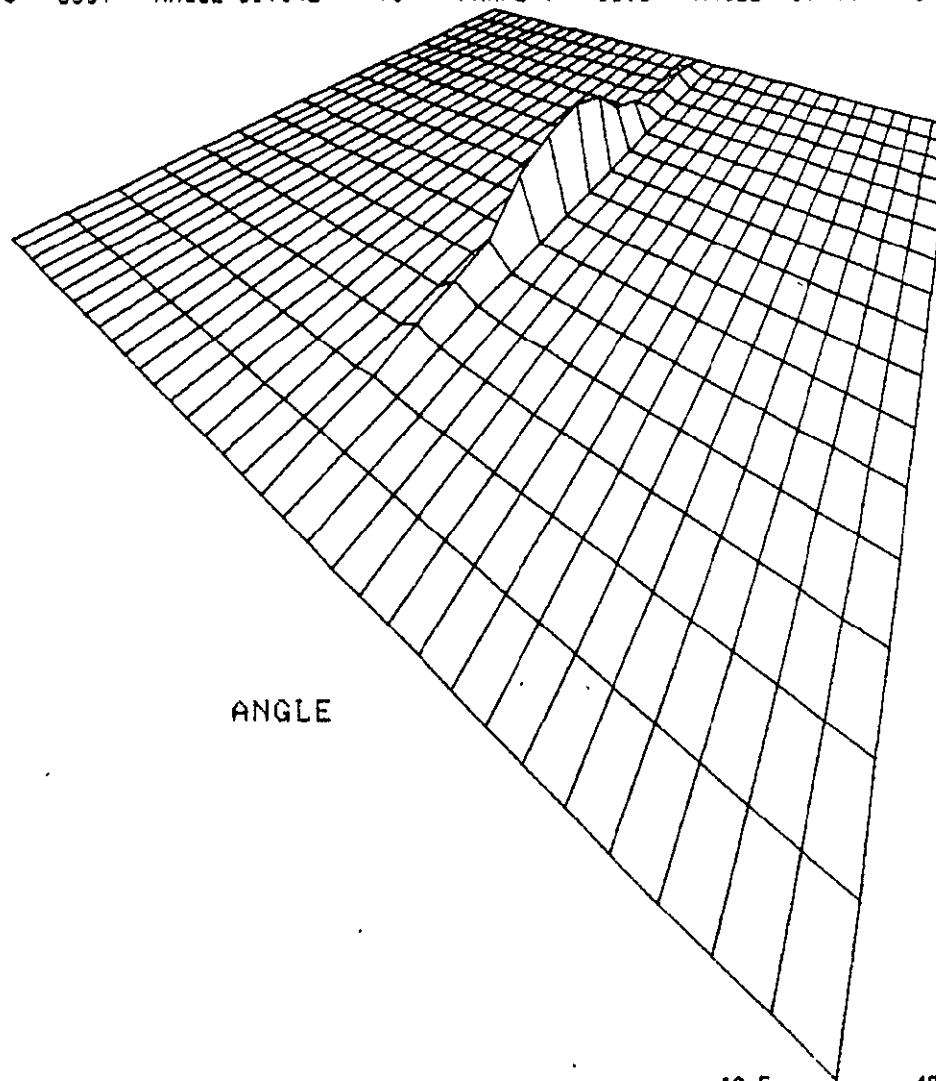
OPTION # 12-1

MAXIMUM I = 50.0

AVERAGE I = 0.5

ANGLE  
 1 64.8  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.9  
 6 59.2  
 7 57.4  
 8 55.6  
 9 53.8  
 10 52.1  
 11 50.4  
 12 48.7  
 13 47.0  
 14 45.4  
 15 43.7  
 16 42.0  
 17 40.2  
 18 38.4  
 19 36.7  
 20 35.0  
 21 33.2  
 22 31.4  
 23 29.7  
 24 28.0  
 25 26.2  
 26 24.4  
 27 22.6  
 28 20.9  
 29 19.1  
 30 17.4  
 31 15.6  
 32 13.7  
 33 12.0  
 34 10.5

64.8



ANGLE

10.5

483.6

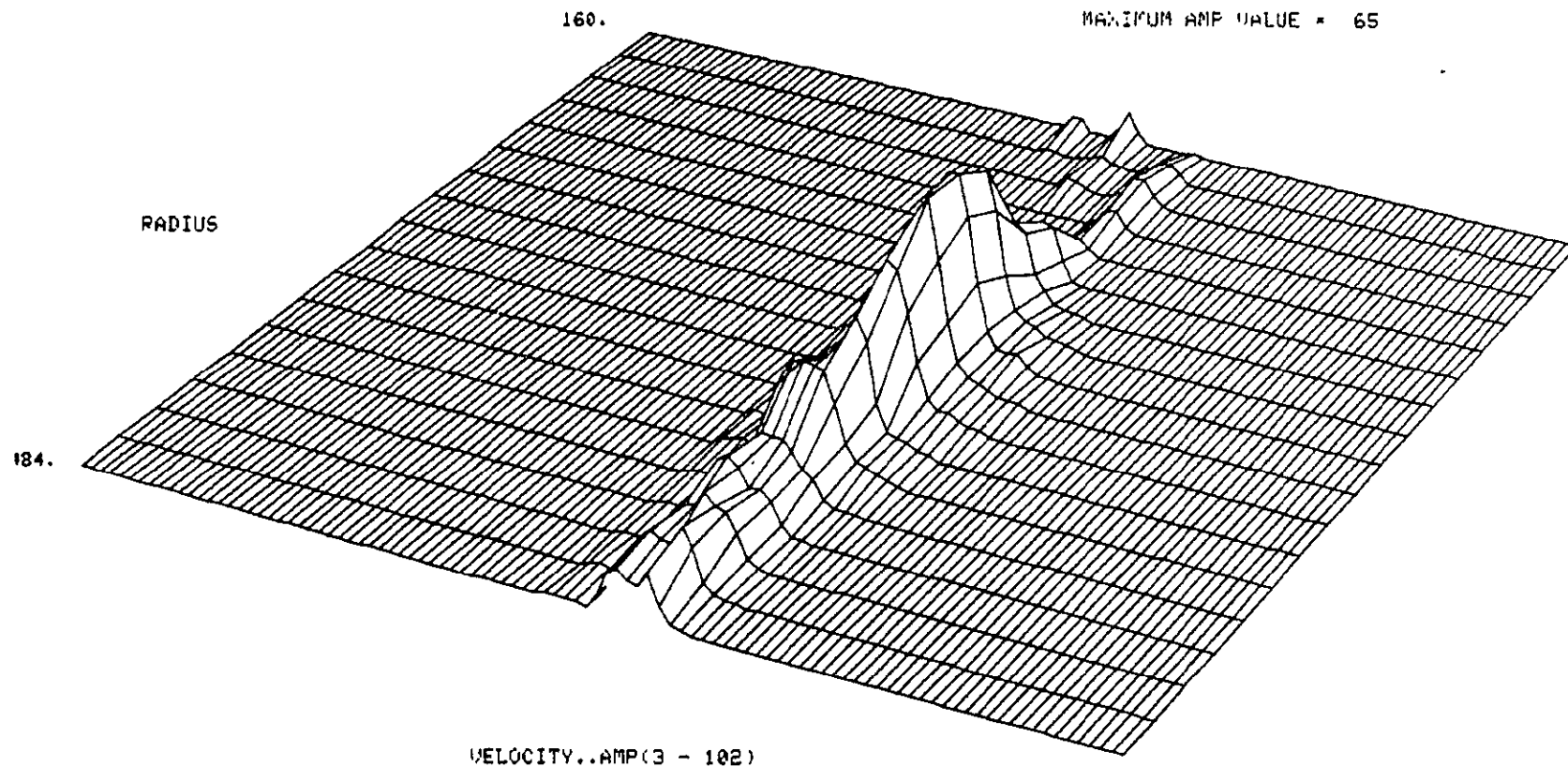
153.8

R  
 1 153.8  
 2 173.2  
 3 192.6  
 4 212.0  
 5 231.4  
 6 250.8  
 7 270.2  
 8 289.6  
 9 309.0  
 10 328.4  
 11 347.8  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.8  
 17 463.6

I, R, A DISPLAY AT VELOCITY CELL 62

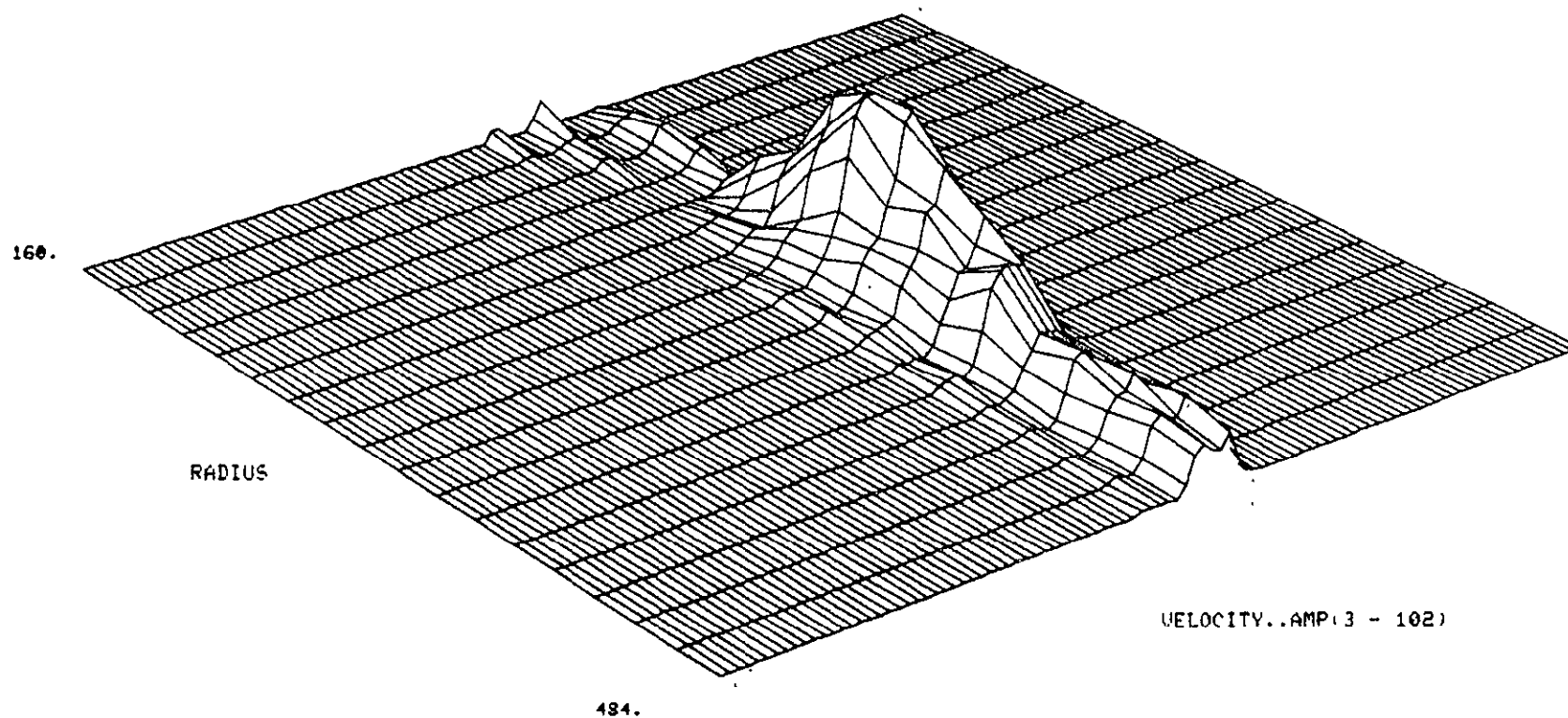
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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 12 FRAME # 8997 ANGLE 65.042 TO FRAME # 9606 ANGLE 9.444 CRITICAL AMP AT CELL 62  
 FRAME # 9315 TO 9333  
 ANGLE = 36.67  
 MAXIMUM AMP VALUE = 65





\* NASA PROJECT DUST DEVIL DAY 238 PUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 12 FRAME # 8997 ANGLE 65.04E TO FRAME # 9606 ANGLE 9.444 CRITICAL AMP AT CELL 62  
 FRAME # 9315 TO 9333  
 ANGLE = 36.67  
 MAXIMUM AMP VALUE = 65



ORIGINAL PAGE IS  
 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 12 FRAME # 8997 ANGLE 65.042 TO FRAME # 9606 ANGLE 9.444 CRITICAL AMP AT CELL 62  
 OPTION # 21-1

MAXIMUM U = 15.0  
 AVERAGE U = 1.6

ANGLE  
 1 64.8  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.9  
 6 59.2  
 7 57.4  
 8 55.6  
 9 53.8  
 10 52.1  
 11 50.4  
 12 48.7  
 13 47.0  
 14 45.4  
 15 43.7  
 16 42.0  
 17 40.2  
 18 38.4  
 19 36.7  
 20 35.0  
 21 33.2  
 22 31.4  
 23 29.7  
 24 28.0  
 25 26.2  
 26 24.4  
 27 22.6  
 28 20.9  
 29 19.1  
 30 17.4  
 31 15.6  
 32 13.7  
 33 12.0  
 34 10.5

64.8

ANGLE

10.5

483.6

153.8

R

R  
 1 153.8  
 2 173.2  
 3 192.6  
 4 212.0  
 5 231.4  
 6 250.8  
 7 270.2  
 8 289.6  
 9 309.0  
 10 328.4  
 11 347.8  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.8  
 17 463.6

U, R, A DISPLAY (VELOCITY AT MAX)

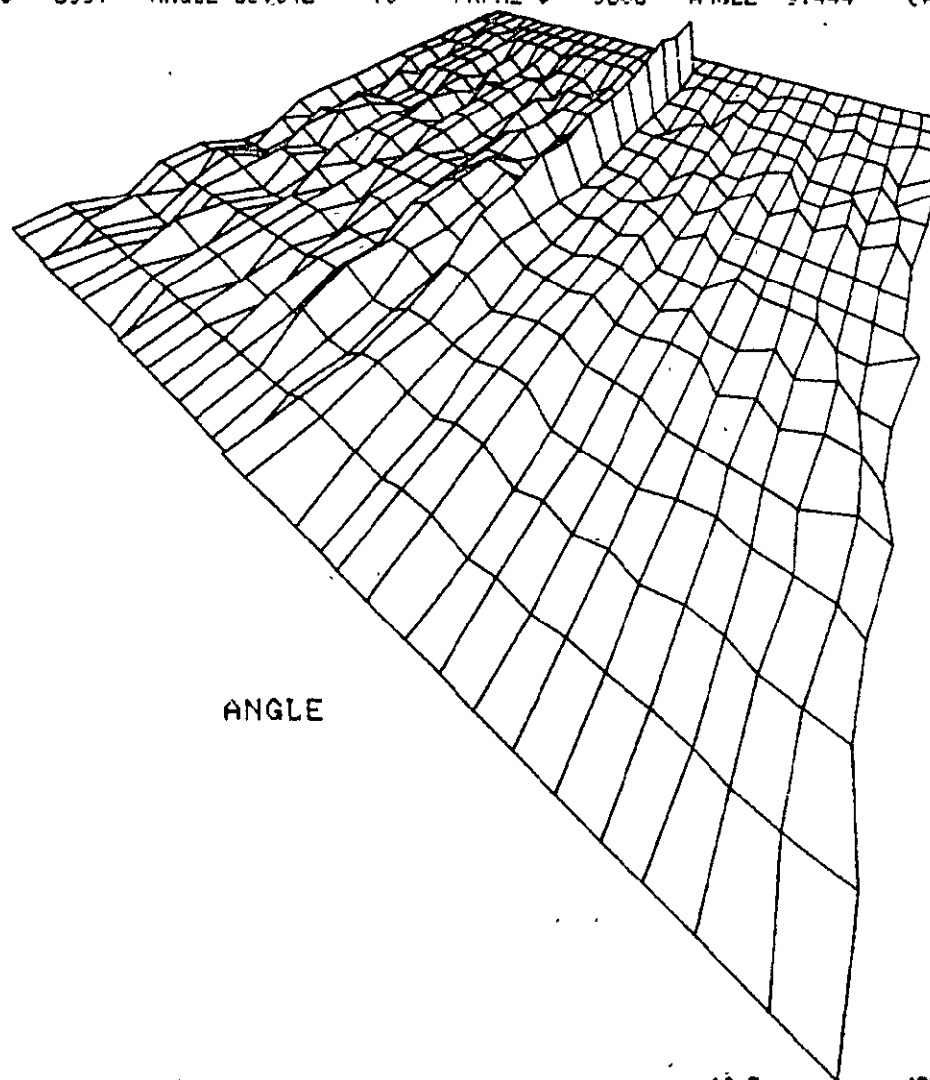
NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 12 FRAME # 8997 ANGLE 65.042 TO FRAME # 9606 ANGLE 3.444 CRITICAL AMP AT CELL 62  
 OPTION # 21-2

MAXIMUM U = 11.0

AVERAGE U = 3.0

ANGLE  
 1 64.8  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.9  
 6 59.2  
 7 57.4  
 8 55.6  
 9 53.8  
 10 52.1  
 11 50.4  
 12 48.7  
 13 47.0  
 14 45.4  
 15 43.7  
 16 42.0  
 17 40.2  
 18 38.4  
 19 36.7  
 20 35.0  
 21 33.2  
 22 31.4  
 23 29.7  
 24 28.0  
 25 26.2  
 26 24.4  
 27 22.6  
 28 20.9  
 29 19.1  
 30 17.4  
 31 15.6  
 32 13.7  
 33 12.0  
 34 10.5

64.8



153.8

R  
 1 153.8  
 2 173.2  
 3 192.6  
 4 212.0  
 5 231.4  
 6 250.8  
 7 270.2  
 8 289.6  
 9 309.0  
 10 328.4  
 11 347.2  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.8  
 17 483.6

R

ANGLE

10.5

483.6

U, R, A DISPLAY (VELOCITY AT I MAX)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 12 FRAME # 8997 ANGLE 65.042 TO FRAME # 9606 ANGLE 9.444 CRITICAL AMP AT CELL 62

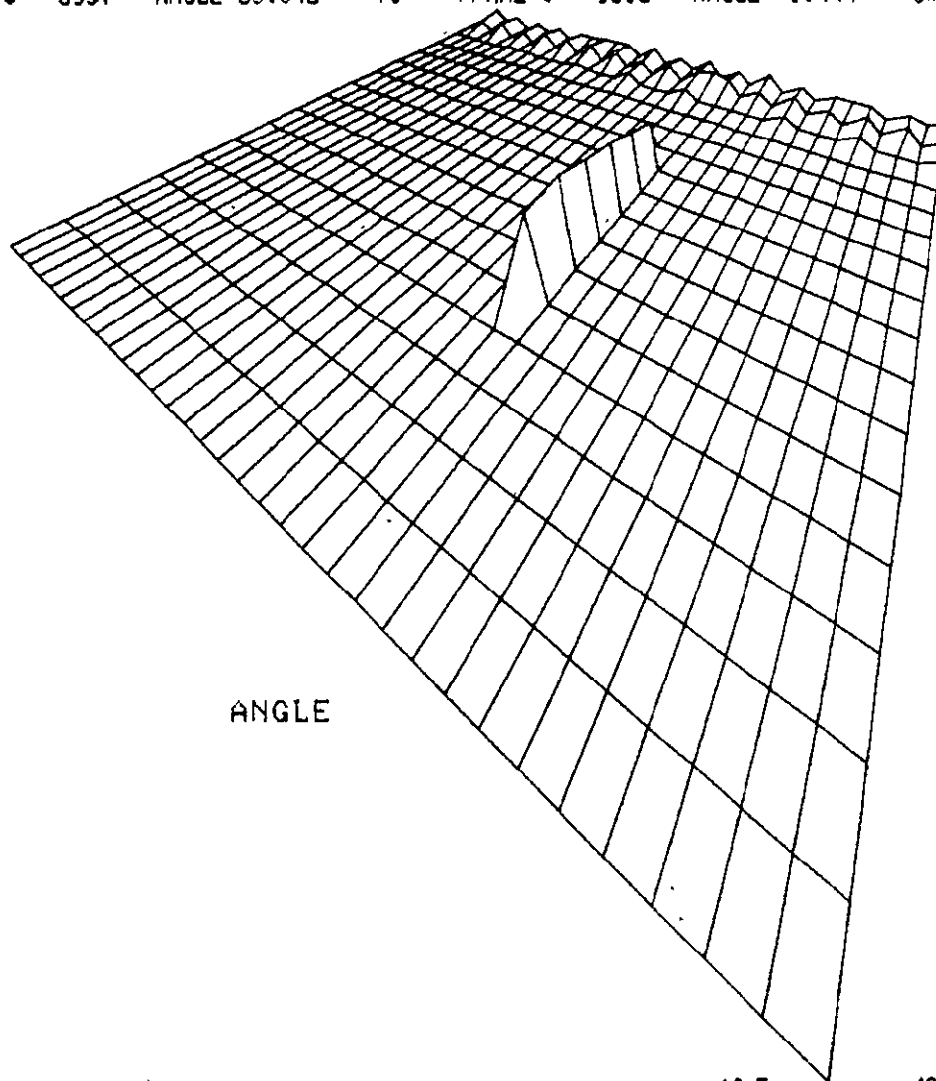
OPTION # 22-1

MAXIMUM U = 17.0

AVERAGE U = 1.3

ANGLE  
 1 64.8  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.9  
 6 59.2  
 7 57.4  
 8 55.6  
 9 53.8  
 10 52.1  
 11 50.4  
 12 48.7  
 13 47.0  
 14 45.4  
 15 43.7  
 16 42.0  
 17 40.2  
 18 38.4  
 19 36.7  
 20 35.0  
 21 33.2  
 22 31.4  
 23 29.7  
 24 28.0  
 25 26.2  
 26 24.4  
 27 22.6  
 28 20.9  
 29 19.1  
 30 17.4  
 31 15.6  
 32 13.7  
 33 12.0  
 34 10.5

64.8



ANGLE

R

R  
 1 153.8  
 2 173.2  
 3 192.6  
 4 212.0  
 5 231.4  
 6 250.8  
 7 270.2  
 8 289.6  
 9 309.0  
 10 328.4  
 11 347.8  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.8  
 17 463.6

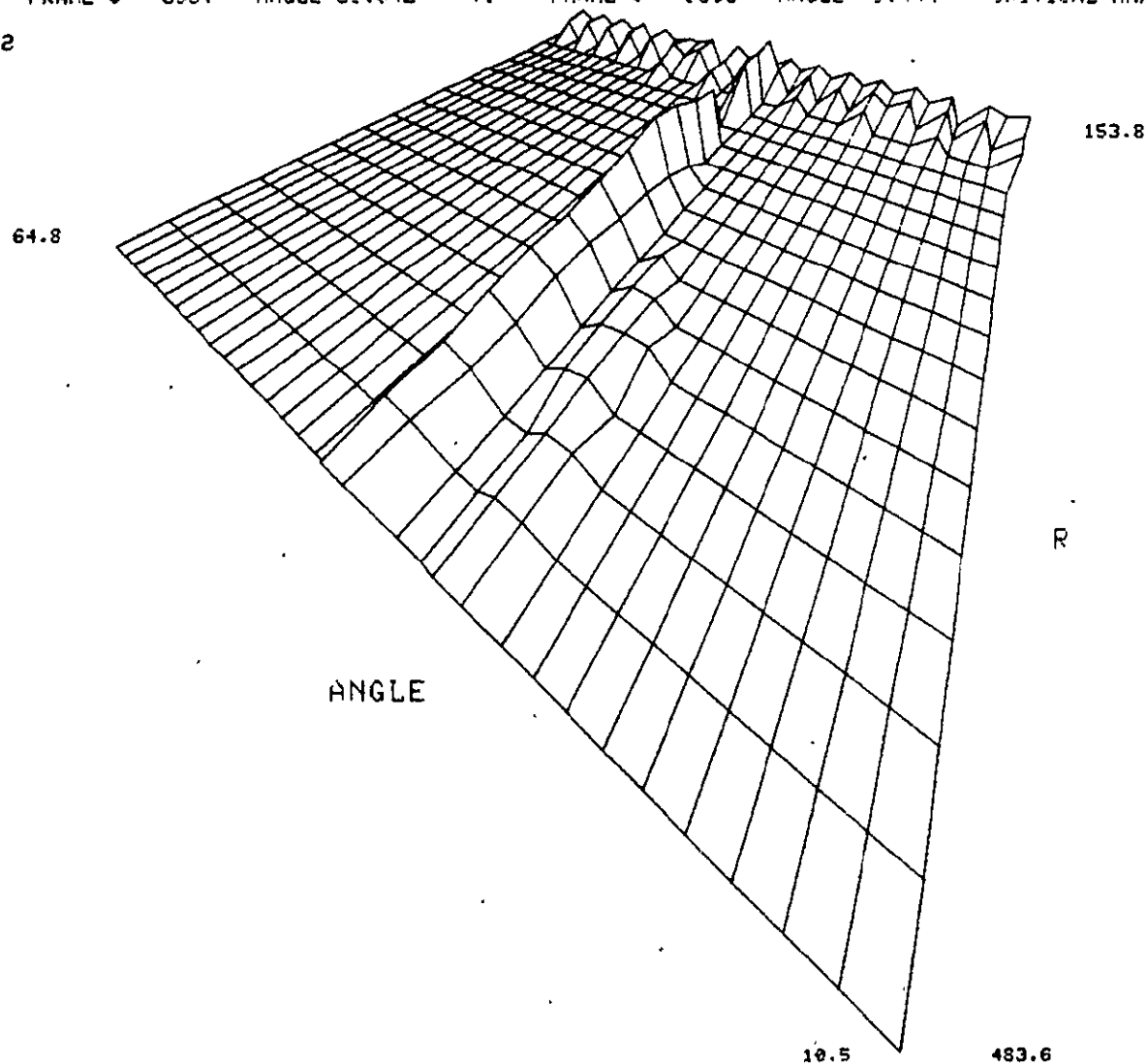
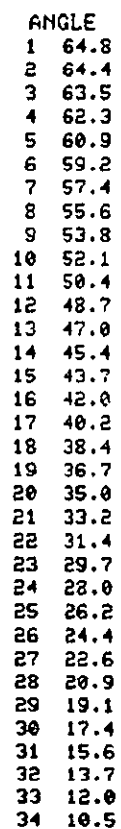
10.5

483.6

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

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MAXIMUM U = 15.0  
AVERAGE U = 1.9



	R
1	153.8
2	173.2
3	192.6
4	212.0
5	231.4
6	250.8
7	270.2
8	289.6
9	309.0
10	328.4
11	347.8
12	367.2
13	386.6
14	406.0
15	425.4
16	444.8
17	464.2

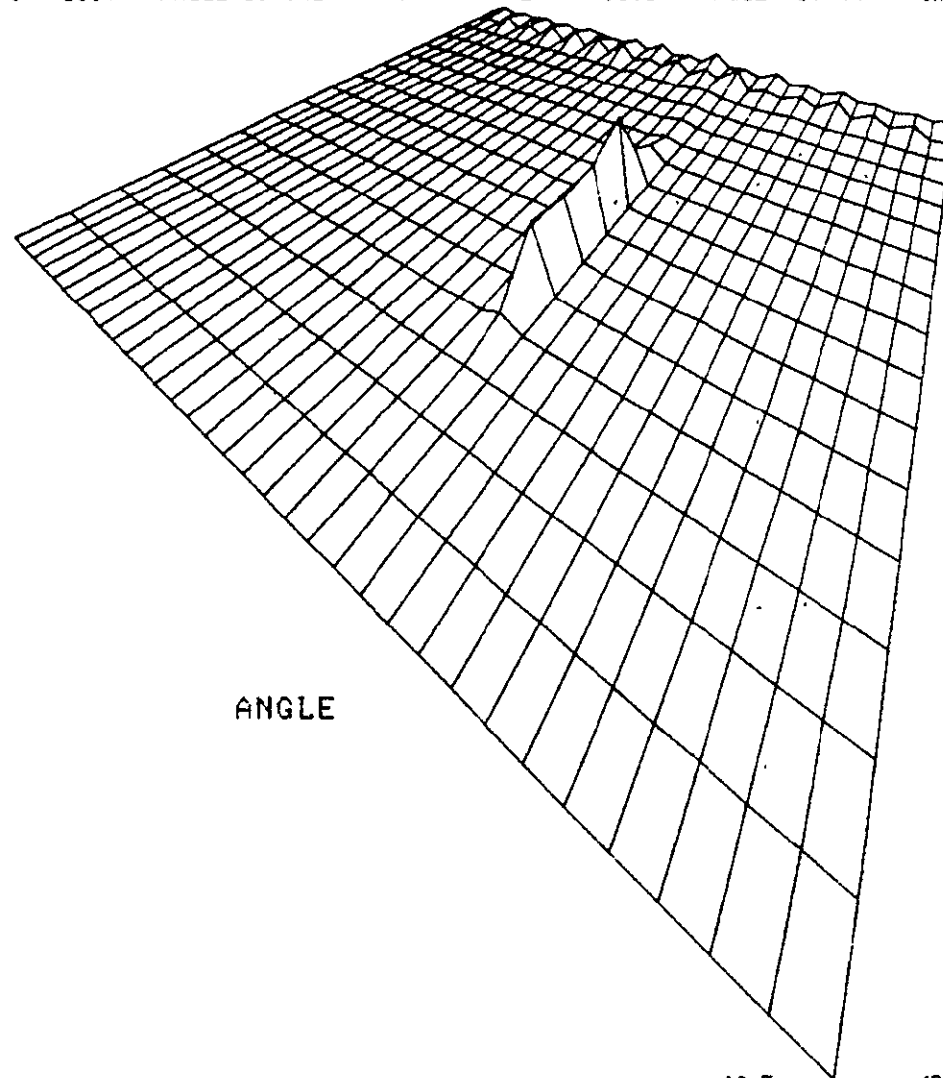
U<sub>MAX</sub>, R, A DISPLAY      AMPLITUDE THRESHOLD AT I = 10

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OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 12 FRAME # 8997 ANGLE 65.042 TO FRAME # 9606 ANGLE 3.444 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 64.8  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.9  
 6 59.2  
 7 57.4  
 8 55.6  
 9 53.8  
 10 52.1  
 11 50.4  
 12 48.7  
 13 47.0  
 14 45.4  
 15 43.7  
 16 42.0  
 17 40.2  
 18 38.4  
 19 36.7  
 20 35.0  
 21 33.2  
 22 31.4  
 23 29.7  
 24 28.0  
 25 26.2  
 26 24.4  
 27 22.6  
 28 20.9  
 29 19.1  
 30 17.4  
 31 15.6  
 32 13.7  
 33 12.0  
 34 10.5

64.8



ANGLE

10.5

483.6

153.8

P

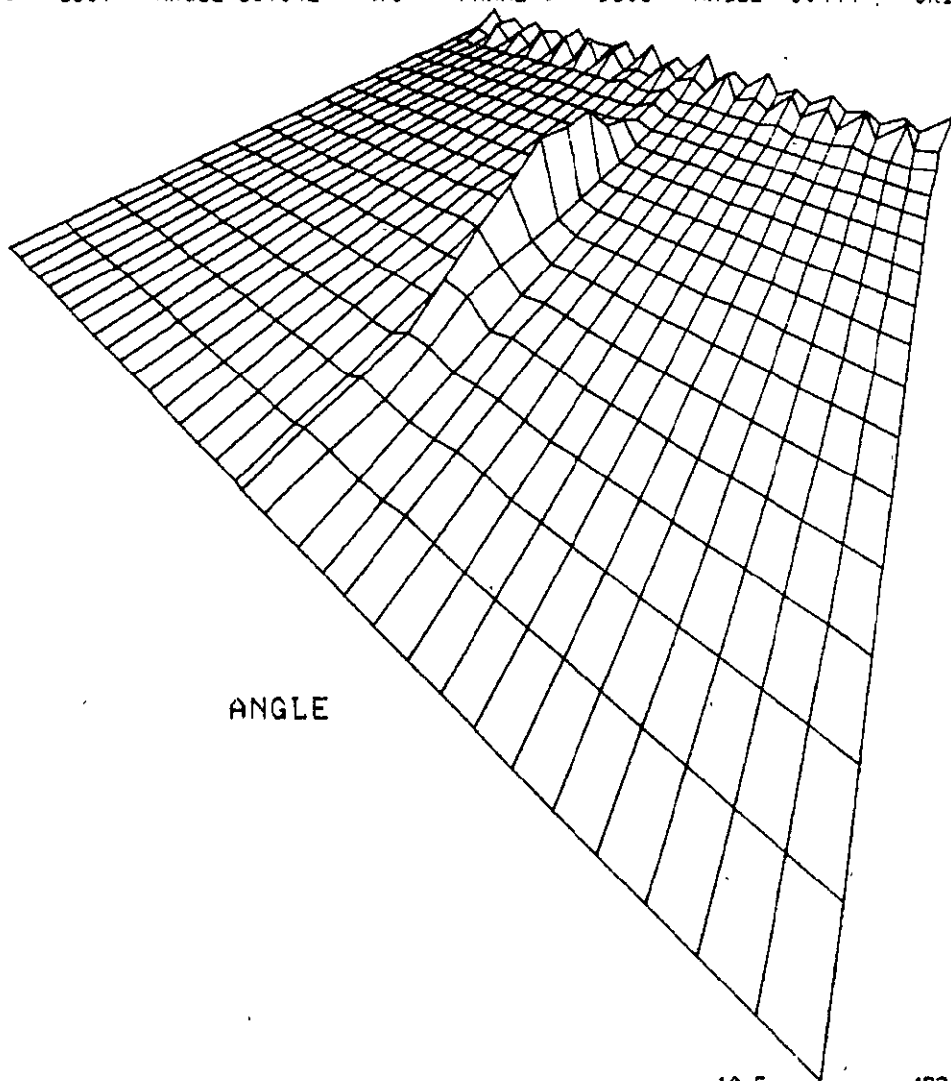
R  
 1 153.8  
 2 173.2  
 3 192.6  
 4 212.0  
 5 231.4  
 6 250.8  
 7 270.2  
 8 289.6  
 9 309.0  
 10 328.4  
 11 347.8  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.8  
 17 463.6

U \* I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 12 FRAME # 8997 ANGLE 65.042 TO FRAME # 9606 ANGLE 9.444 CRITICAL AMP AT CELL .62  
 OPTION # 31-2

ANGLE  
 1 64.8  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.9  
 6 59.2  
 7 57.4  
 8 55.6  
 9 53.8  
 10 52.1  
 11 50.4  
 12 48.7  
 13 47.0  
 14 45.4  
 15 43.7  
 16 42.0  
 17 40.2  
 18 38.4  
 19 36.7  
 20 35.0  
 21 33.2  
 22 31.4  
 23 29.7  
 24 28.0  
 25 26.2  
 26 24.4  
 27 22.6  
 28 20.9  
 29 19.1  
 30 17.4  
 31 15.6  
 32 13.7  
 33 12.0  
 34 10.5

64.8



153.8

R  
 1 153.8  
 2 173.2  
 3 192.6  
 4 212.0  
 5 231.4  
 6 250.8  
 7 270.2  
 8 289.6  
 9 309.0  
 10 328.4  
 11 347.8  
 12 367.2  
 13 386.6  
 14 406.0  
 15 425.4  
 16 444.8  
 17 463.6

R

10.5

483.6

U \* I MAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 # SCAN # 13 FRAME # 9606 ANGLE 9.444 TO FRAME # 10236 ANGLE 65.042 CRITICAL AMP AT CELL 62

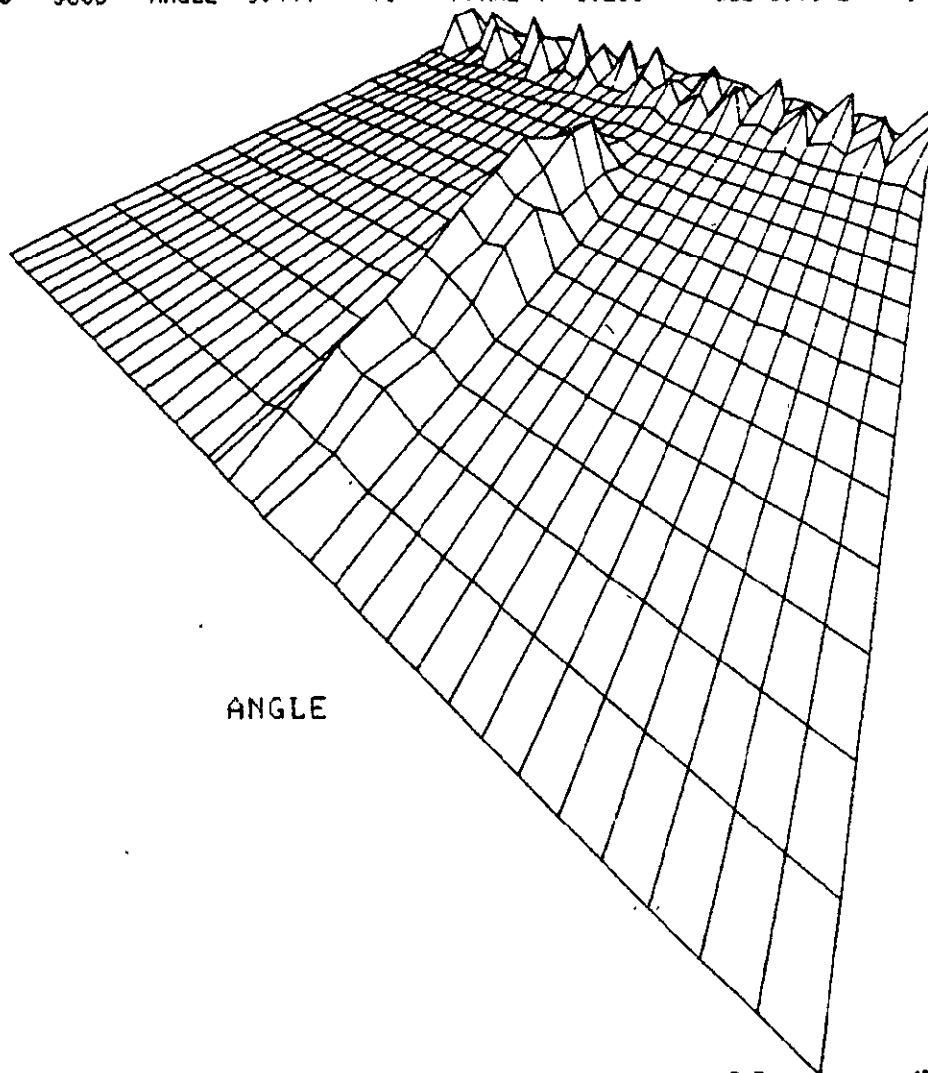
OPTION # 11-1

MAXIMUM I = 48.0

AVERAGE I = 3.1

ANGLE  
 1 9.8  
 2 10.1  
 3 10.9  
 4 12.2  
 5 13.6  
 6 15.3  
 7 17.2  
 8 18.8  
 9 20.5  
 10 22.3  
 11 24.1  
 12 25.8  
 13 27.5  
 14 29.3  
 15 31.1  
 16 32.9  
 17 34.6  
 18 36.2  
 19 38.0  
 20 39.8  
 21 41.5  
 22 43.3  
 23 44.9  
 24 46.6  
 25 48.3  
 26 50.0  
 27 51.7  
 28 53.5  
 29 55.2  
 30 56.9  
 31 58.7  
 32 60.5  
 33 62.3  
 34 63.9  
 35 64.6

64.6



143.2

R  
 1 143.2  
 2 162.7  
 3 182.3  
 4 201.8  
 5 221.4  
 6 240.9  
 7 260.4  
 8 280.0  
 9 299.5  
 10 319.0  
 11 338.6  
 12 358.1  
 13 377.6  
 14 397.2  
 15 416.7  
 16 436.3  
 17 455.3

R

ANGLE

9.8

475.3

IMAX, R, A DISPLAY



OPTION # 11-2

AVERAGE I = 4.8

ANGLE
1 9.8
2 10.1
3 10.9
4 12.2
5 13.6
6 15.3
7 17.2
8 18.8
9 20.5
10 22.3
11 24.1
12 25.8
13 27.5
14 29.3
15 31.1
16 32.9
17 34.6
18 36.2
19 38.0
20 39.8
21 41.5
22 43.3
23 44.9
24 46.6
25 48.3
26 50.0
27 51.7
28 53.5
29 55.2
30 56.9
31 58.7
32 60.5
33 62.3
34 63.9
35 64.6

64.6

ANGLE

**143.2**

	R
1	143.2
2	162.7
3	182.3
4	201.6
5	221.4
6	240.9
7	260.4
8	280.0
9	299.5
10	319.0
11	338.6
12	358.1
13	377.6
14	397.2
15	416.7
16	436.3
17	455.3

9.3

475.3

IMAX, F, A DISPLAY

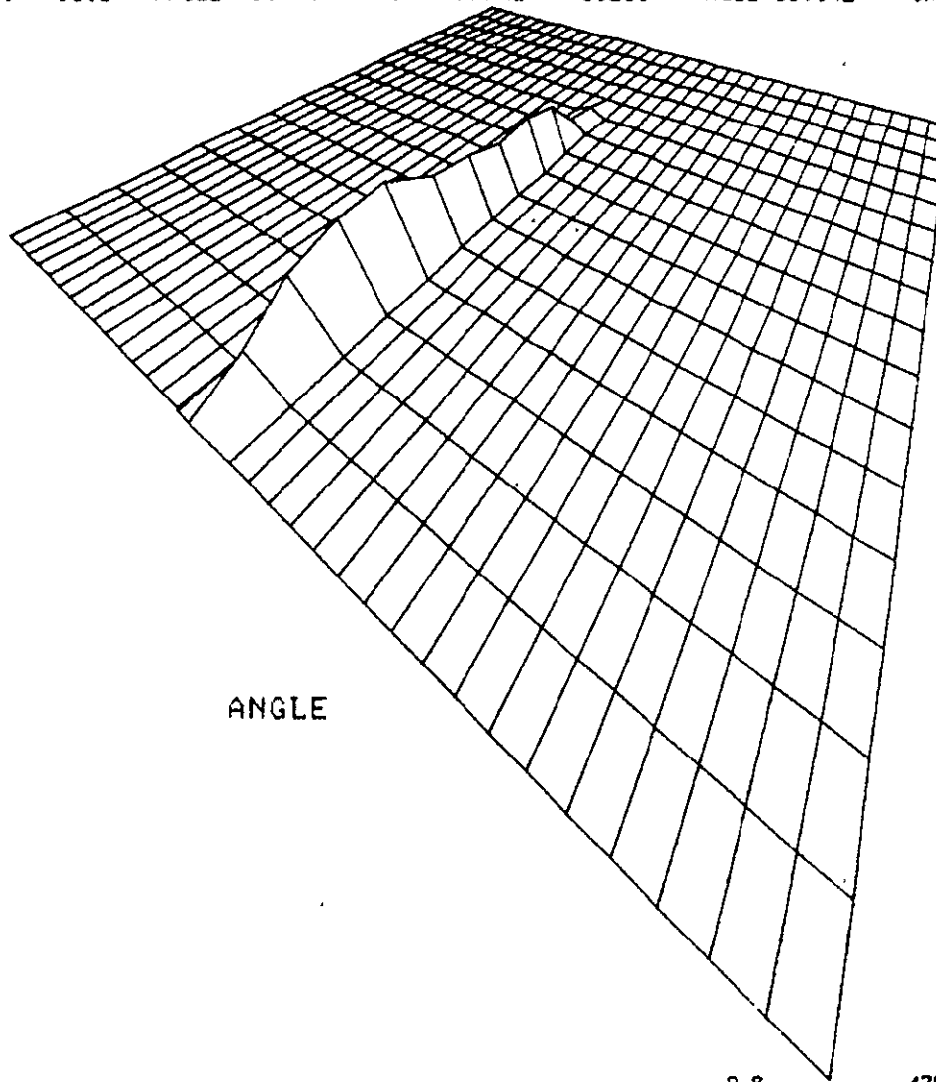
ORIGINAL PAGE 1  
OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 13 FRAME # 9606 ANGLE 9.444 TO FRAME # 10236 ANGLE 65.042 CRITICAL AMP AT CELL 62  
 OPTION # 12-1

MAXIMUM I = 33.0  
 AVERAGE I = 0.4

ANGLE  
 1 9.8  
 2 10.1  
 3 10.9  
 4 12.2  
 5 13.6  
 6 15.3  
 7 17.2  
 8 18.8  
 9 20.5  
 10 22.3  
 11 24.1  
 12 25.8  
 13 27.5  
 14 29.3  
 15 31.1  
 16 32.9  
 17 34.6  
 18 36.2  
 19 38.0  
 20 39.8  
 21 41.5  
 22 43.3  
 23 44.9  
 24 46.6  
 25 48.3  
 26 50.0  
 27 51.7  
 28 53.5  
 29 55.2  
 30 56.9  
 31 58.7  
 32 60.5  
 33 62.3  
 34 63.9  
 35 64.6

64.6



143.2

R  
 1 143.2  
 2 162.7  
 3 182.3  
 4 201.8  
 5 221.4  
 6 240.9  
 7 260.4  
 8 280.0  
 9 299.5  
 10 319.0  
 11 338.6  
 12 358.1  
 13 377.6  
 14 397.2  
 15 416.7  
 16 436.3  
 17 475.3

R

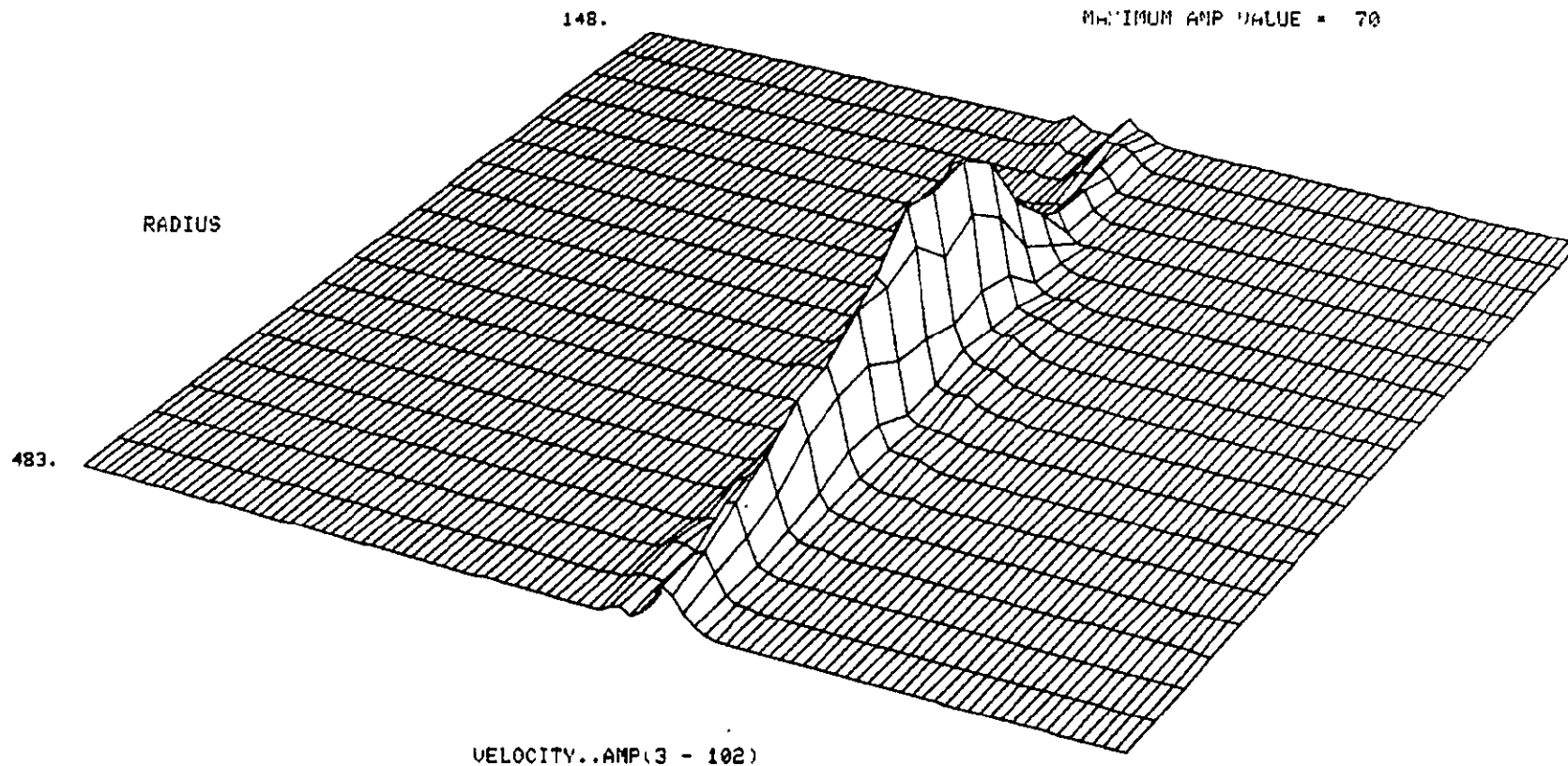
9.8

475.3

I, R, A DISPLAY AT VELOCITY CELL 62

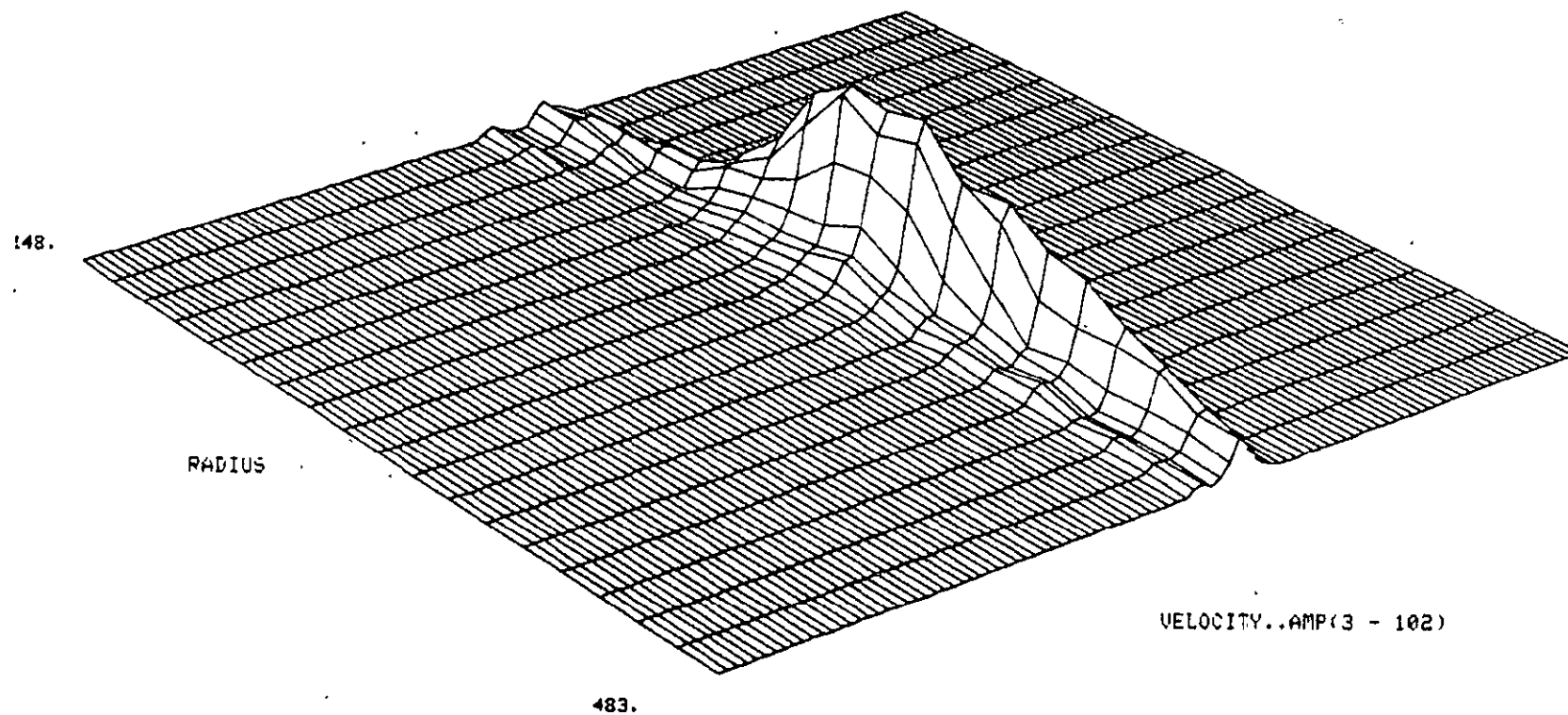
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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238. RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 13 FRAME # 9606 ANGLE 9.444 TO FRAME # 10236 ANGLE 65.042 CRITICAL AMP AT CELL 62  
 FRAME # 9934 TO 9953  
 ANGLE = 38.08  
 MAXIMUM AMP VALUE = 70



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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 13 FRAME # 9606 ANGLE 9.444 TO FRAME # 10236 ANGLE 65.042 CRITICAL AMP AT CELL 62  
 FRAME # 9934 TO 9953  
 ANGLE = 38.08  
 MAXIMUM AMP VALUE = 70



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 OF POOR QUALITY

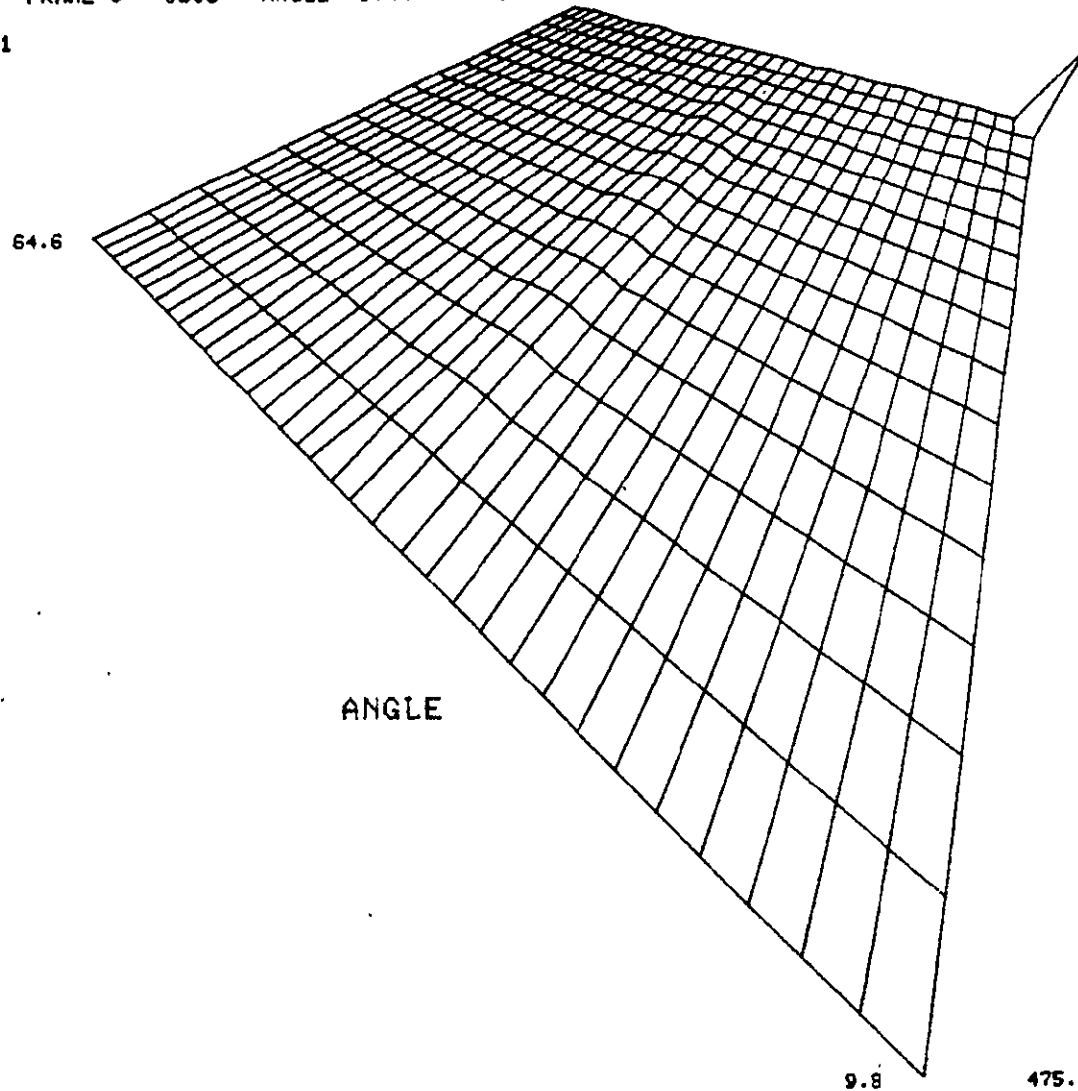
NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 13 FRAME # 9606 ANGLE 9.444 TO FRAME # 10236 ANGLE 65.042 CRITICAL AMP AT CELL 62

OPTION # 21-1

MAXIMUM U = 55.0

AVERAGE U = 1.7

ANGLE  
 1 9.8  
 2 10.1  
 3 10.9  
 4 12.2  
 5 13.6  
 6 15.3  
 7 17.2  
 8 18.8  
 9 20.5  
 10 22.3  
 11 24.1  
 12 25.8  
 13 27.5  
 14 29.3  
 15 31.1  
 16 32.9  
 17 34.6  
 18 36.2  
 19 38.0  
 20 39.8  
 21 41.5  
 22 43.3  
 23 44.9  
 24 46.6  
 25 48.3  
 26 50.0  
 27 51.7  
 28 53.5  
 29 55.2  
 30 56.9  
 31 58.7  
 32 60.5  
 33 62.3  
 34 63.9  
 35 64.6



R  
 1 143.2  
 2 162.7  
 3 182.3  
 4 201.8  
 5 221.4  
 6 240.9  
 7 260.4  
 8 280.0  
 9 299.5  
 10 319.0  
 11 338.6  
 12 358.1  
 13 377.6  
 14 397.2  
 15 416.7  
 16 436.3  
 17 475.3

U, R, A DISPLAY (VELOCITY AT I<sub>max</sub>)

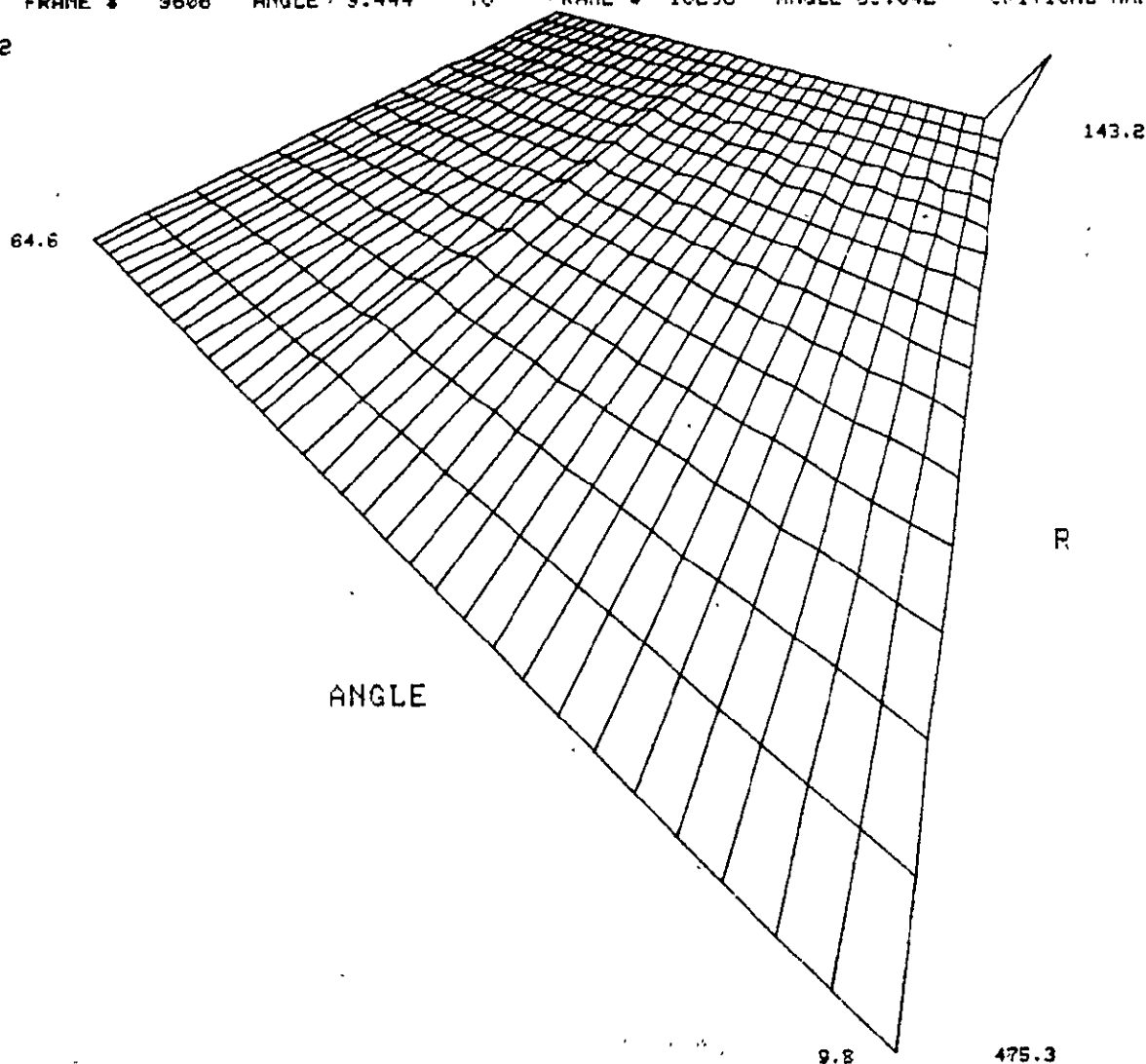
NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 13 FRAME # 9606 ANGLE 9.444 TO FRAME # 10236 ANGLE 65.042 CRITICAL AMP AT CELL 62

OPTION # 21-2

MAXIMUM U = 56.0

AVERAGE U = 2.8

ANGLE  
 1 9.8  
 2 10.1  
 3 10.9  
 4 12.2  
 5 13.6  
 6 15.3  
 7 17.2  
 8 18.8  
 9 20.5  
 10 22.3  
 11 24.1  
 12 25.8  
 13 27.5  
 14 29.3  
 15 31.1  
 16 32.9  
 17 34.6  
 18 36.2  
 19 38.0  
 20 39.8  
 21 41.5  
 22 43.3  
 23 44.9  
 24 46.6  
 25 48.3  
 26 50.0  
 27 51.7  
 28 53.5  
 29 55.2  
 30 56.9  
 31 58.7  
 32 60.5  
 33 62.3  
 34 63.9  
 35 64.6



R  
 1 143.2  
 2 162.7  
 3 182.3  
 4 201.8  
 5 221.4  
 6 240.9  
 7 260.4  
 8 280.0  
 9 299.5  
 10 319.0  
 11 338.6  
 12 358.1  
 13 377.6  
 14 397.2  
 15 416.7  
 16 436.3  
 17 455.3

U, R, A DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 13 FRAME # 9606 ANGLE 9.444 TO FRAME # 10236 ANGLE 65.042 CRITICAL AMP HT CELL 62

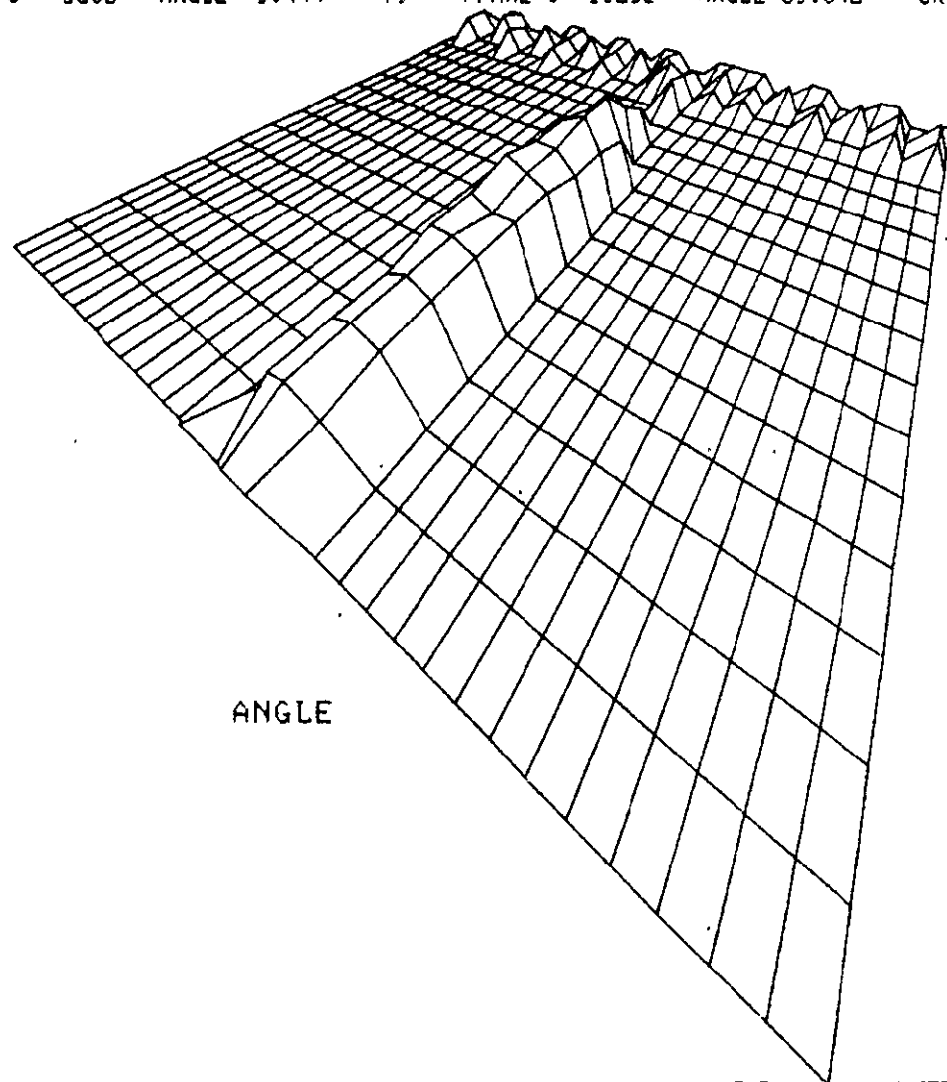
OPTION # 22-1

MAXIMUM U = 10.0

AVERAGE U = 1.6

ANGLE  
 1 9.8  
 2 10.1  
 3 10.9  
 4 12.2  
 5 13.6  
 6 15.3  
 7 17.2  
 8 18.8  
 9 20.5  
 10 22.3  
 11 24.1  
 12 25.8  
 13 27.5  
 14 29.3  
 15 31.1  
 16 32.9  
 17 34.6  
 18 36.2  
 19 38.0  
 20 39.8  
 21 41.5  
 22 43.3  
 23 44.9  
 24 46.6  
 25 48.3  
 26 50.0  
 27 51.7  
 28 53.5  
 29 55.2  
 30 56.9  
 31 58.7  
 32 60.5  
 33 62.3  
 34 63.9  
 35 64.6

64.6



143.2

R  
 1 143.2  
 2 162.7  
 3 182.3  
 4 201.8  
 5 221.4  
 6 240.9  
 7 260.4  
 8 280.0  
 9 299.5  
 10 319.0  
 11 338.6  
 12 358.1  
 13 377.6  
 14 397.2  
 15 416.7  
 16 436.3  
 17 475.3

U

ANGLE

9.8

475.3

U MAX, R, A DISPLAY AMPLITUDE THRESHOLD AT I. = 5

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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 13 FRAME # 9606 ANGLE 9.444 TO FRAME # 10236 ANGLE 65.042 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

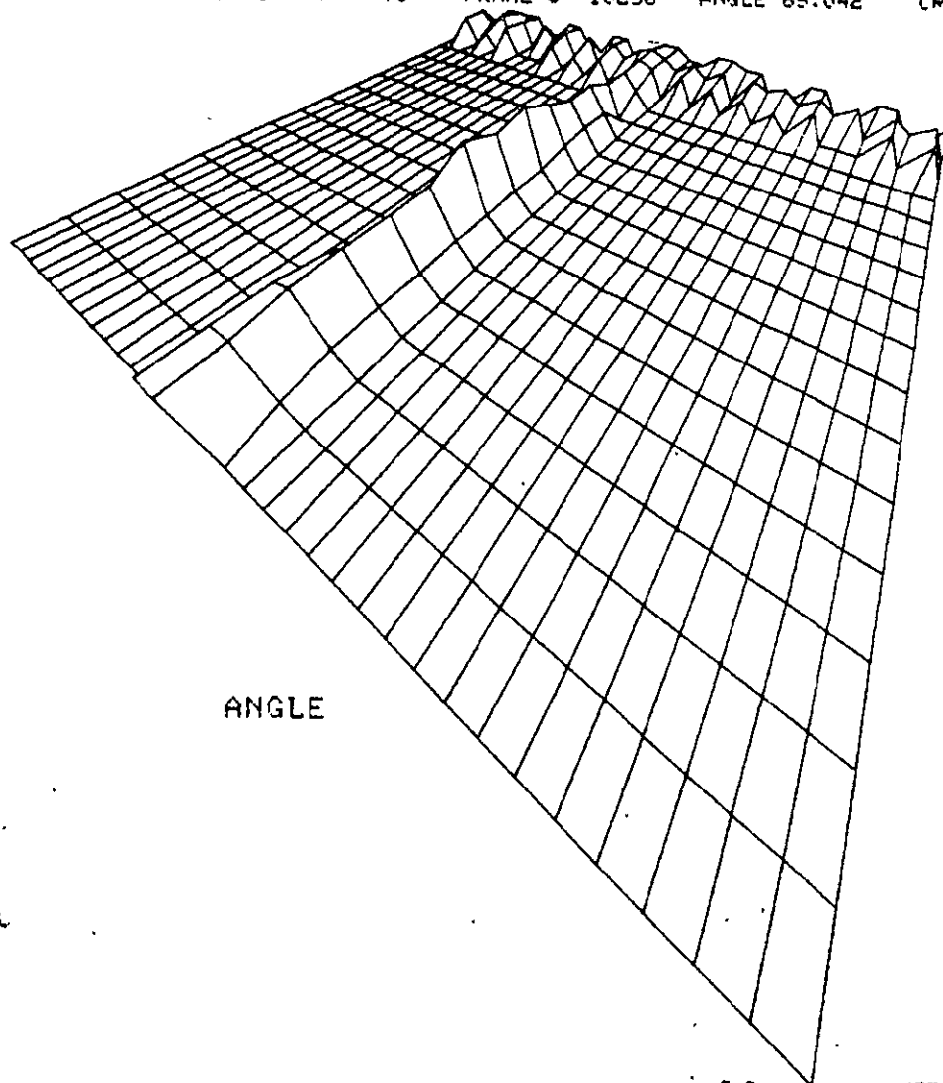
MAXIMUM U = 14.0  
 AVERAGE U = 1.8

ANGLE  
 1 9.8  
 2 10.1  
 3 10.9  
 4 12.2  
 5 13.6  
 6 15.3  
 7 17.2  
 8 18.8  
 9 20.5  
 10 22.3  
 11 24.1  
 12 25.8  
 13 27.5  
 14 29.3  
 15 31.1  
 16 32.9  
 17 34.6  
 18 36.2  
 19 38.0  
 20 39.8  
 21 41.5  
 22 43.3  
 23 44.9  
 24 46.6  
 25 48.3  
 26 50.0  
 27 51.7  
 28 53.5  
 29 55.2  
 30 56.9  
 31 58.7  
 32 60.5  
 33 62.3  
 34 63.9  
 35 64.6

ORIGINAL PAGE IS  
 OF POOR QUALITY

64.6

ANGLE



143.2

R  
 1 143.2  
 2 162.7  
 3 182.3  
 4 201.8  
 5 221.4  
 6 240.9  
 7 260.4  
 8 280.0  
 9 299.5  
 10 319.0  
 11 338.6  
 12 358.1  
 13 377.6  
 14 397.2  
 15 416.7  
 16 436.3  
 17 455.3

R

9.3

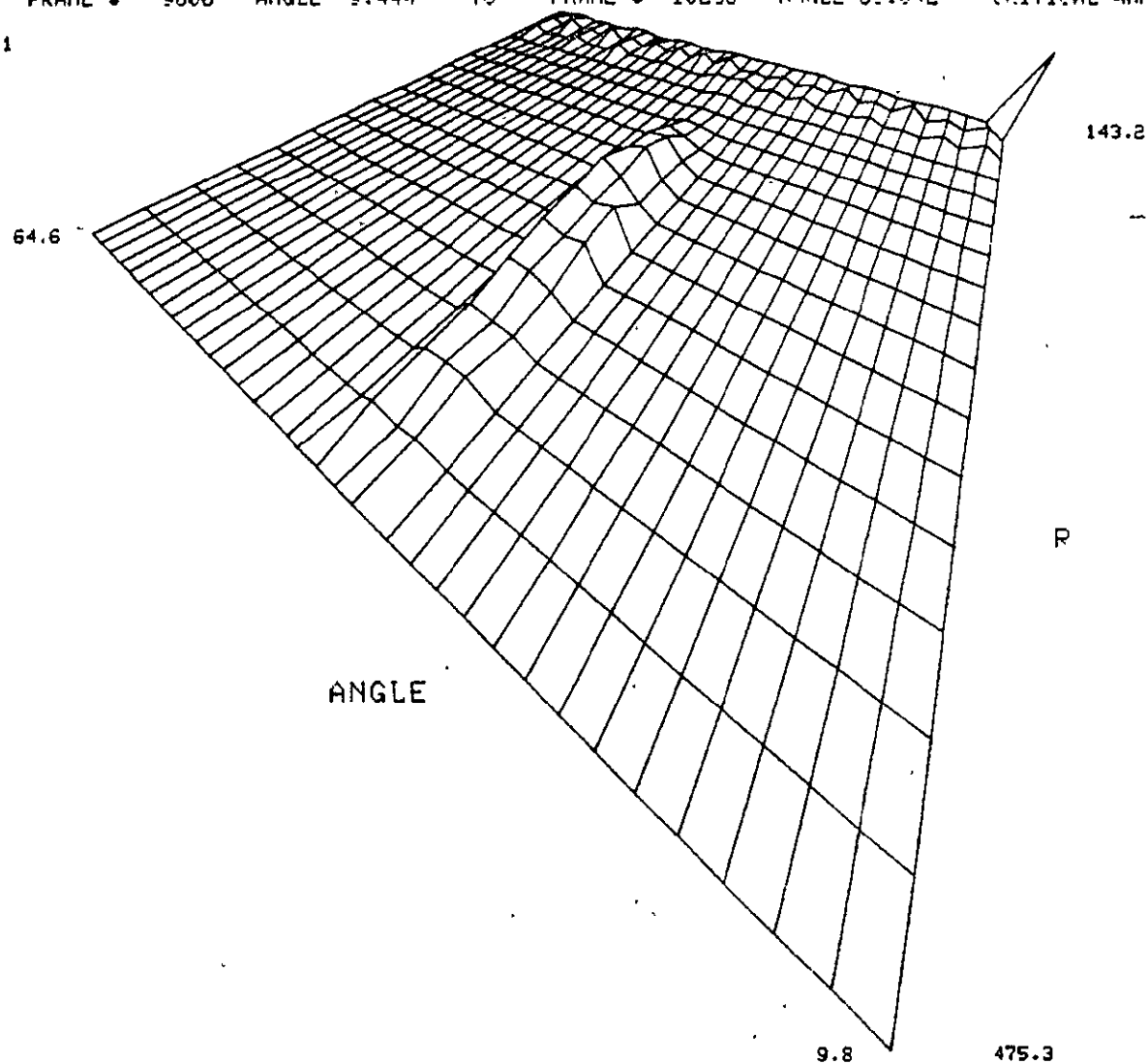
475.3

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10



NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 13 FRAME # 9506 ANGLE 9.444 TO FRAME # 10236 ANGLE 65.042 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 9.8  
 2 10.1  
 3 10.9  
 4 12.2  
 5 13.6  
 6 15.3  
 7 17.2  
 8 18.8  
 9 20.5  
 10 22.3  
 11 24.1  
 12 25.8  
 13 27.5  
 14 29.3  
 15 31.1  
 16 32.9  
 17 34.6  
 18 36.2  
 19 38.0  
 20 39.8  
 21 41.5  
 22 43.3  
 23 44.9  
 24 46.6  
 25 48.3  
 26 50.0  
 27 51.7  
 28 53.5  
 29 55.2  
 30 56.9  
 31 58.7  
 32 60.5  
 33 62.3  
 34 63.9  
 35 64.6

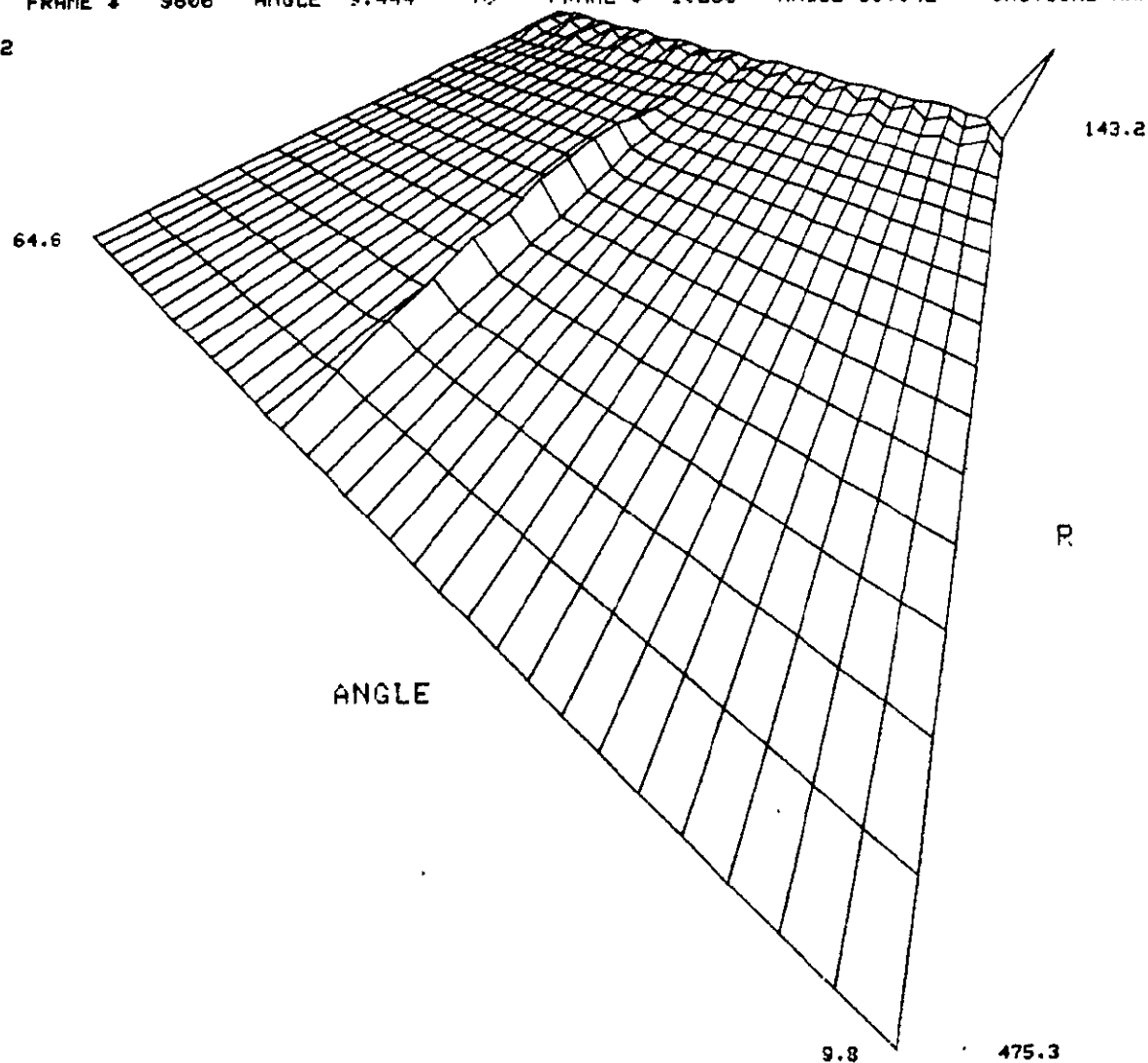


R  
 1 143.2  
 2 162.7  
 3 182.3  
 4 201.8  
 5 221.4  
 6 240.9  
 7 260.4  
 8 280.0  
 9 299.5  
 10 319.0  
 11 338.6  
 12 358.1  
 13 377.6  
 14 397.2  
 15 416.7  
 16 436.3  
 17 475.3

U \* I<sub>MAX</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 13 FRAME # 9606 ANGLE 9.444 TO FRAME # 10236 ANGLE 65.042 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 9.8  
 2 10.1  
 3 10.9  
 4 12.2  
 5 13.6  
 6 15.3  
 7 17.2  
 8 18.8  
 9 20.5  
 10 22.3  
 11 24.1  
 12 25.8  
 13 27.5  
 14 29.3  
 15 31.1  
 16 32.9  
 17 34.6  
 18 36.2  
 19 38.0  
 20 39.8  
 21 41.5  
 22 43.3  
 23 44.9  
 24 46.6  
 25 48.3  
 26 50.0  
 27 51.7  
 28 53.5  
 29 55.2  
 30 56.9  
 31 58.7  
 32 60.5  
 33 62.3  
 34 63.9  
 35 64.6



R  
 1 143.2  
 2 162.7  
 3 182.3  
 4 201.8  
 5 221.4  
 6 240.9  
 7 260.4  
 8 280.0  
 9 299.5  
 10 319.0  
 11 338.6  
 12 358.1  
 13 377.6  
 14 397.2  
 15 416.7  
 16 436.3  
 17 475.3

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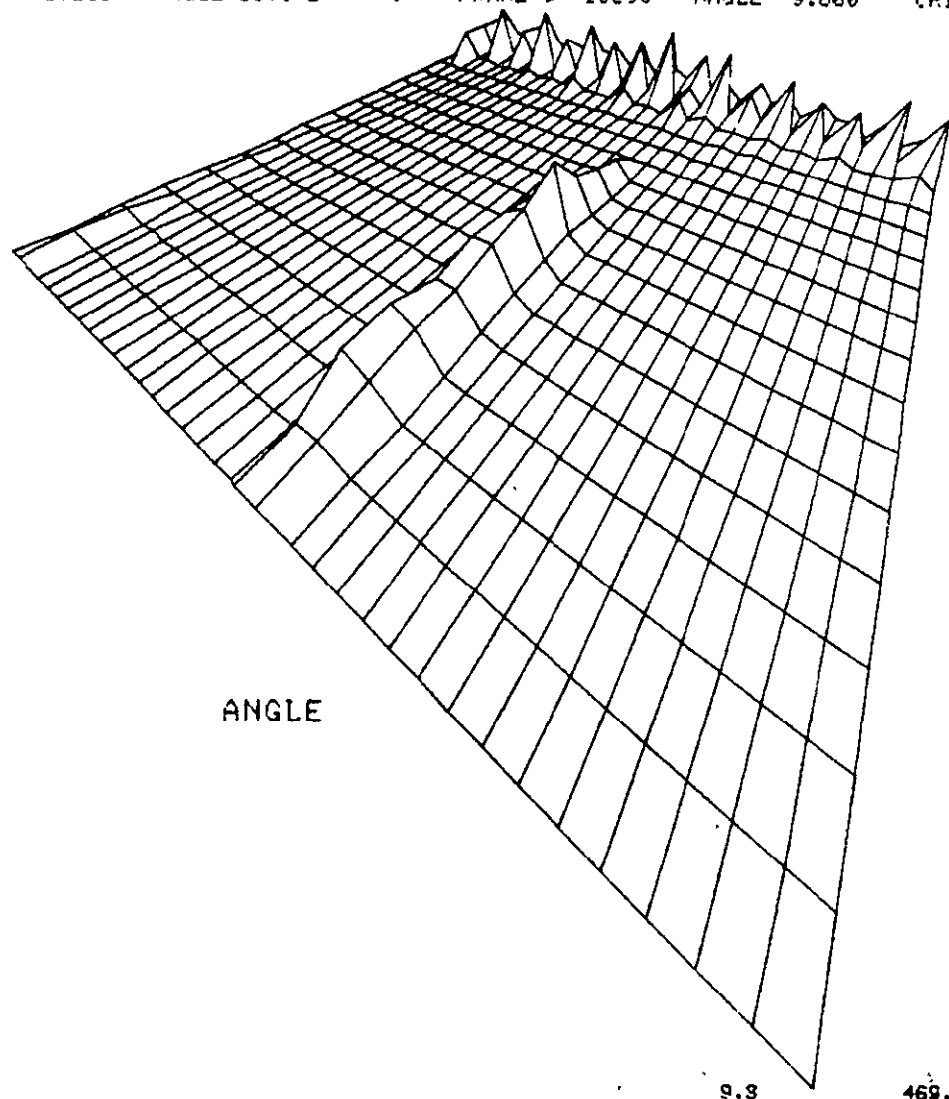
U \* I<sub>MAX</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 208 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 14 FRAME # 10236 ANGLE 65.042 TO FRAME # 10250 ANGLE 9.660 CRITICAL WMP AT CELL 62  
 OPTION # 11-1

MAXIMUM I = 36.0  
 AVERAGE I = 2.1

ANGLE  
 1 64.9  
 2 64.5  
 3 63.8  
 4 62.6  
 5 61.3  
 6 59.7  
 7 57.8  
 8 56.0  
 9 54.3  
 10 52.5  
 11 50.8  
 12 49.1  
 13 47.4  
 14 45.7  
 15 44.1  
 16 42.4  
 17 40.6  
 18 38.9  
 19 37.1  
 20 35.4  
 21 33.6  
 22 31.9  
 23 30.1  
 24 28.4  
 25 26.7  
 26 24.8  
 27 23.0  
 28 21.3  
 29 19.5  
 30 17.8  
 31 15.9  
 32 14.2  
 33 12.5  
 34 10.8  
 35 9.8

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153.8

P  
 1 153.8  
 2 172.4  
 3 190.9  
 4 209.5  
 5 228.0  
 6 246.6  
 7 265.1  
 8 283.7  
 9 302.2  
 10 320.7  
 11 339.3  
 12 357.3  
 13 376.4  
 14 394.9  
 15 413.5  
 16 432.0  
 17 469.1

R

9.3

469.1

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 14 FRAME # 10236 ANGLE 65.042 TO FRAME # 10850 ANGLE 9.660 CRITICAL AMP AT CELL 62

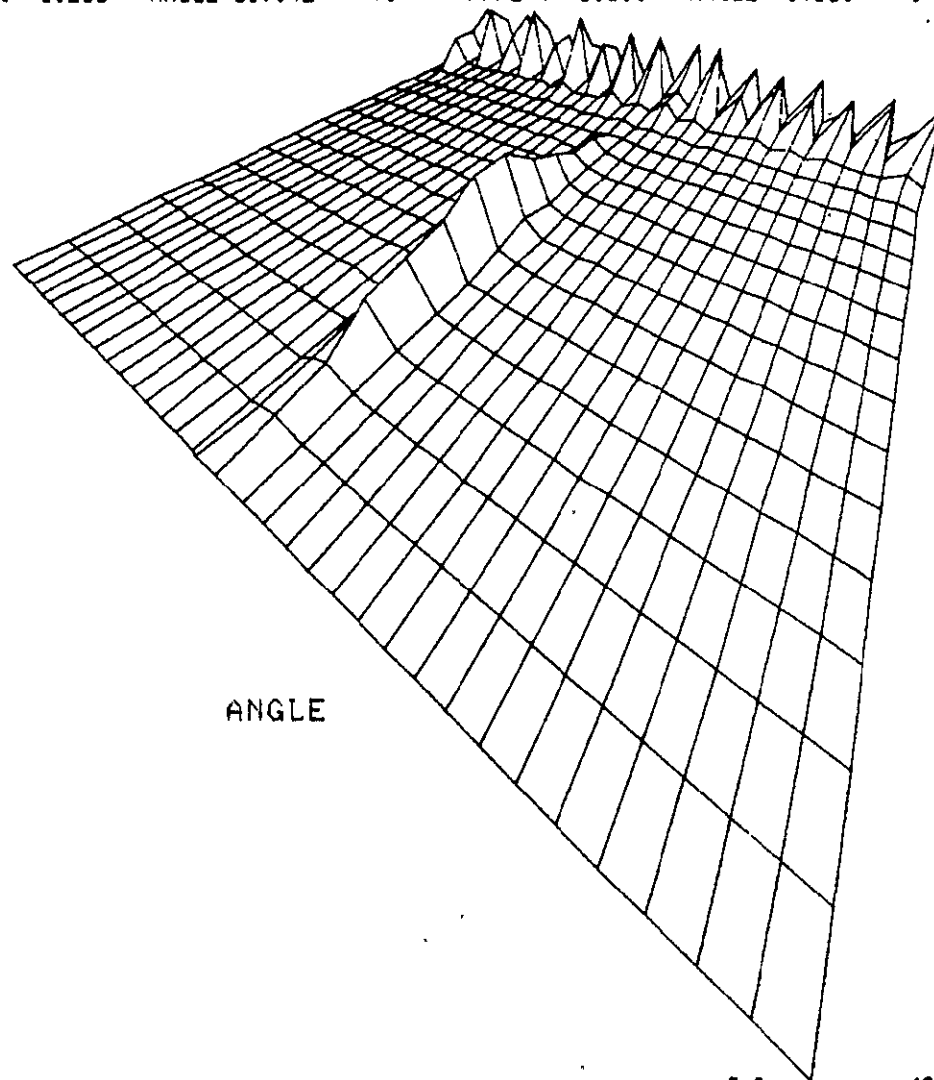
OPTION # 11-2

MAXIMUM I = 55.0

AVERAGE I = 3.9

ANGLE  
 1 64.9  
 2 64.5  
 3 63.8  
 4 62.6  
 5 61.3  
 6 59.7  
 7 57.8  
 8 56.0  
 9 54.3  
 10 52.5  
 11 50.8  
 12 49.1  
 13 47.4  
 14 45.7  
 15 44.1  
 16 42.4  
 17 40.6  
 18 38.9  
 19 37.1  
 20 35.4  
 21 33.6  
 22 31.9  
 23 30.1  
 24 28.4  
 25 26.7  
 26 24.8  
 27 23.0  
 28 21.3  
 29 19.5  
 30 17.8  
 31 15.9  
 32 14.2  
 33 12.5  
 34 10.8  
 35 9.2

64.9



153.8

R  
 1 153.8  
 2 172.4  
 3 190.9  
 4 209.5  
 5 228.0  
 6 246.6  
 7 265.1  
 8 283.7  
 9 302.2  
 10 320.7  
 11 339.3  
 12 357.8  
 13 376.4  
 14 394.9  
 15 413.5  
 16 432.0  
 17 469.1

R

9.2

469.1

Imax, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 14 FRAME # 10236 ANGLE 65.042 TO FRAME # 10350 ANGLE 9.660 CRITICAL AMP AT CELL 62

OPTION # 12-1

MAXIMUM I = 19.0

AVERAGE I = 0.3

ANGLE  
 1 64.9  
 2 64.5  
 3 63.8  
 4 62.6  
 5 61.3  
 6 59.7  
 7 57.8  
 8 56.0  
 9 54.3  
 10 52.5  
 11 50.8  
 12 49.1  
 13 47.4  
 14 45.7  
 15 44.1  
 16 42.4  
 17 40.6  
 18 38.9  
 19 37.1  
 20 35.4  
 21 33.6  
 22 31.9  
 23 30.1  
 24 28.4  
 25 26.7  
 26 24.8  
 27 23.0  
 28 21.3  
 29 19.5  
 30 17.8  
 31 15.9  
 32 14.2  
 33 12.5  
 34 10.8  
 35 9.8

64.9

ANGLE

9.8

153.8

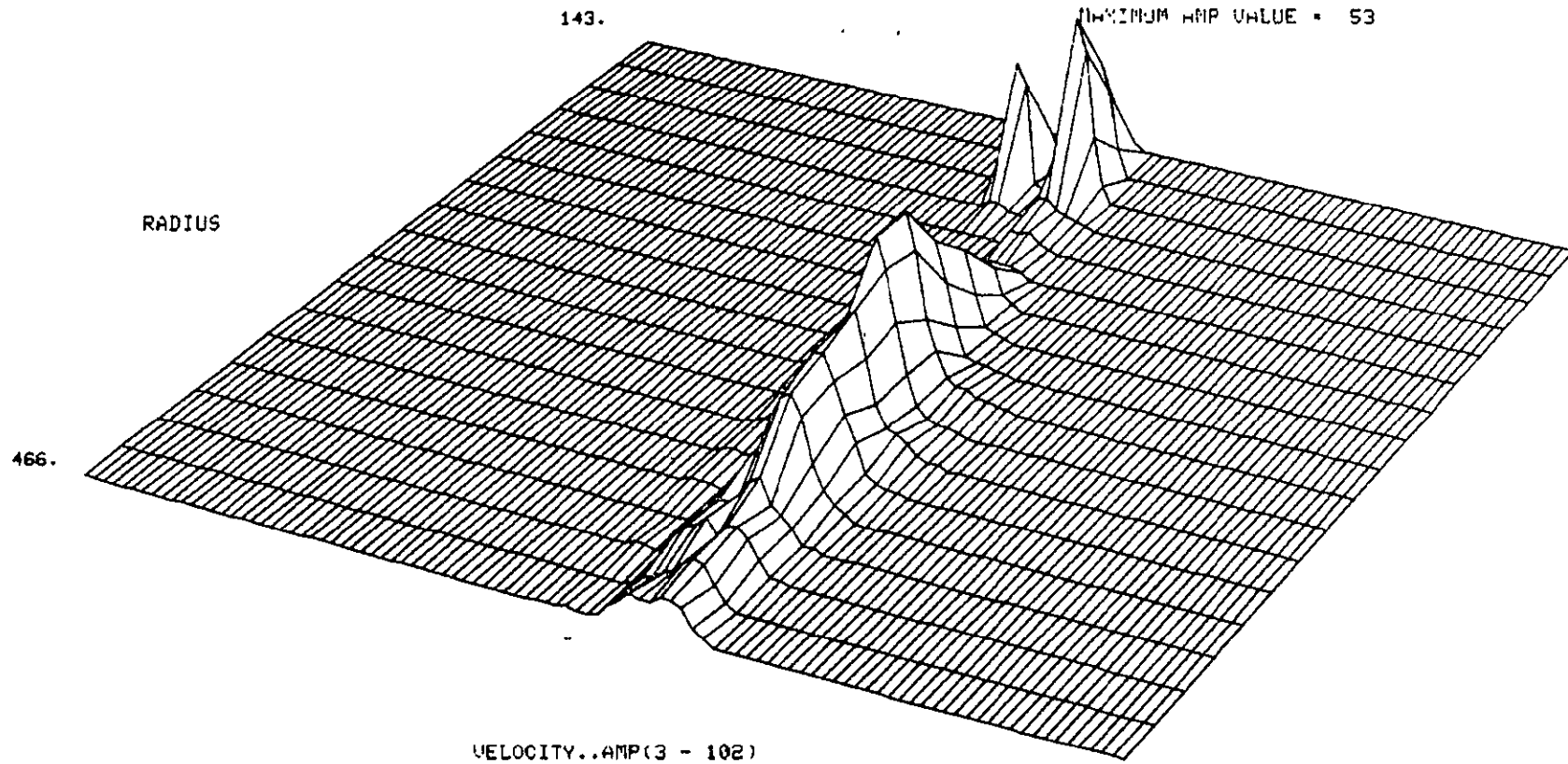
R

469.1

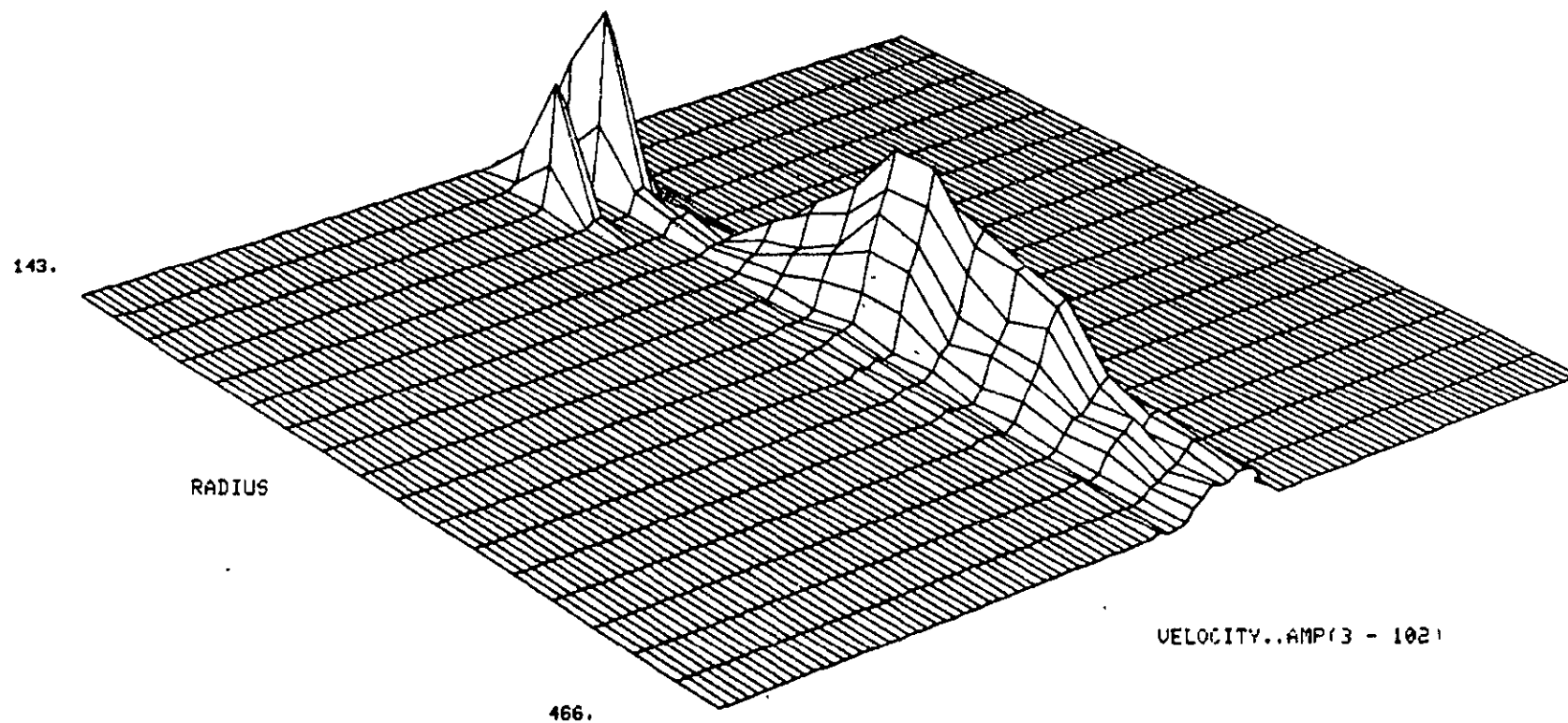
R  
 1 153.8  
 2 172.4  
 3 190.9  
 4 209.5  
 5 228.0  
 6 246.6  
 7 265.1  
 8 283.7  
 9 302.2  
 10 320.7  
 11 339.3  
 12 357.3  
 13 376.4  
 14 394.3  
 15 413.5  
 16 432.0  
 17 469.1

I, R, A DISPLAY AT VELOCITY CELL 62

\* NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 14 FRAME # 10236 ANGLE 65.042 TO FRAME # 10850 ANGLE 9.660 CRITICAL AMP AT CELL 62  
 FRAME # 10536 TO 10554  
 ANGLE = 38.84  
 MAXIMUM AMP VALUE = 53



NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
SCAN # 14 FRAME # 10236 ANGLE 65.042 TO FRAME # 10850 ANGLE 9.660 CRITICAL AMP AT CELL 62  
FRAME # 10536 TO 10554  
ANGLE = 38.84  
MAXIMUM AMP VALUE = 53



NASA PROJECT DUST DEVIL DAY 232 FUN # 4 TAPE 1 OF 2- 8110  
 \* SCAN # 14 FRAME # 10236 ANGLE 65.042 TO FRAME # 10250 ANGLE 9.660 CRITICAL AMP AT CELL 62

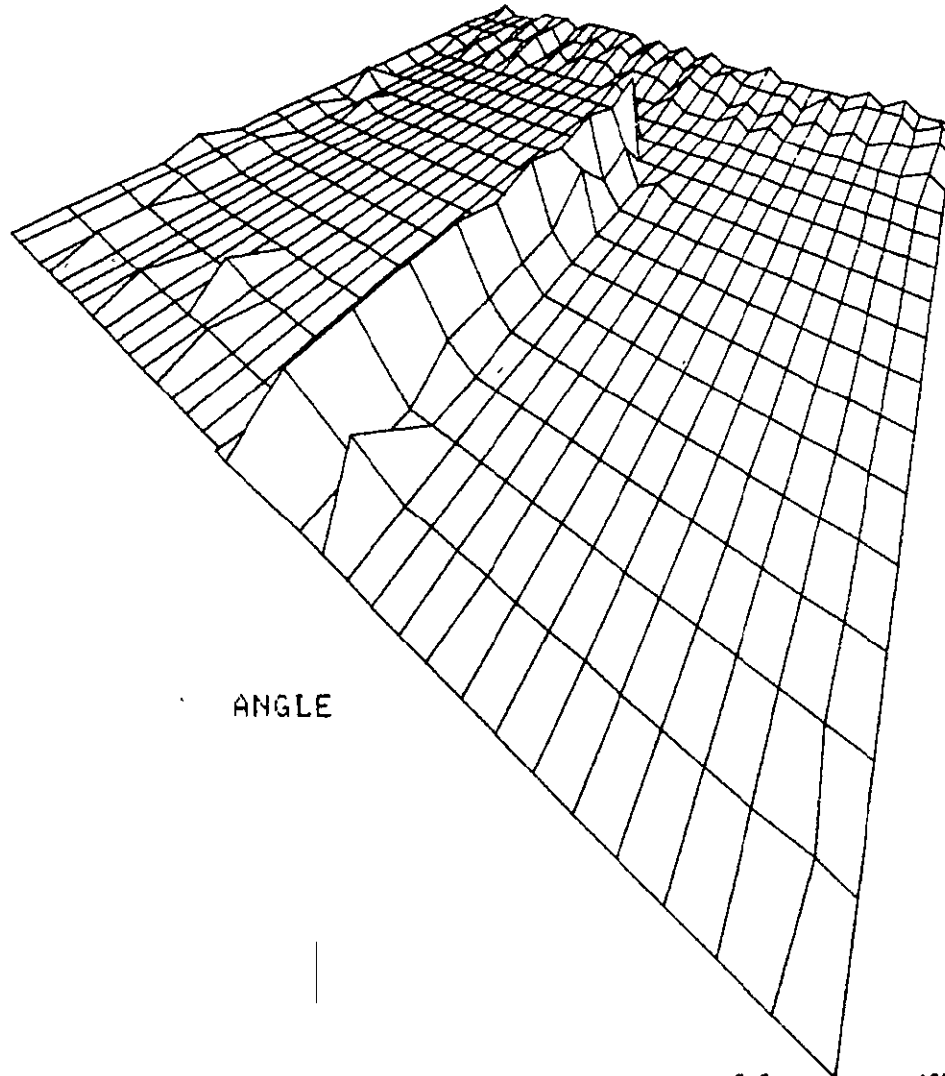
OPTION # 21-1

MAXIMUM U = 8.0

AVERAGE U = 1.5

ANGLE  
 1 64.9  
 2 64.5  
 3 63.8  
 4 62.6  
 5 61.3  
 6 59.7  
 7 57.8  
 8 56.0  
 9 54.3  
 10 52.5  
 11 50.8  
 12 49.1  
 13 47.4  
 14 45.7  
 15 44.1  
 16 42.4  
 17 40.6  
 18 38.9  
 19 37.1  
 20 35.4  
 21 33.6  
 22 31.9  
 23 30.1  
 24 28.4  
 25 26.7  
 26 24.8  
 27 23.0  
 28 21.3  
 29 19.5  
 30 17.8  
 31 15.9  
 32 14.2  
 33 12.5  
 34 10.8  
 35 9.8

64.9



153.8

R  
 1 153.8  
 2 172.4  
 3 190.9  
 4 209.5  
 5 228.0  
 6 246.6  
 7 265.1  
 8 283.7  
 9 302.2  
 10 320.7  
 11 339.3  
 12 357.8  
 13 376.4  
 14 394.9  
 15 413.5  
 16 432.0  
 17 469.1

R

ANGLE

9.8

469.1

U, R, A DISPLAY (VELOCITY AT I<sub>MAX</sub>)



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 8110  
 \* SCAN # 14 FRAME # 10236 ANGLE 65.042 TO FRAME # 10350 ANGLE 9.660 CRITICAL AMP AT CELL 62

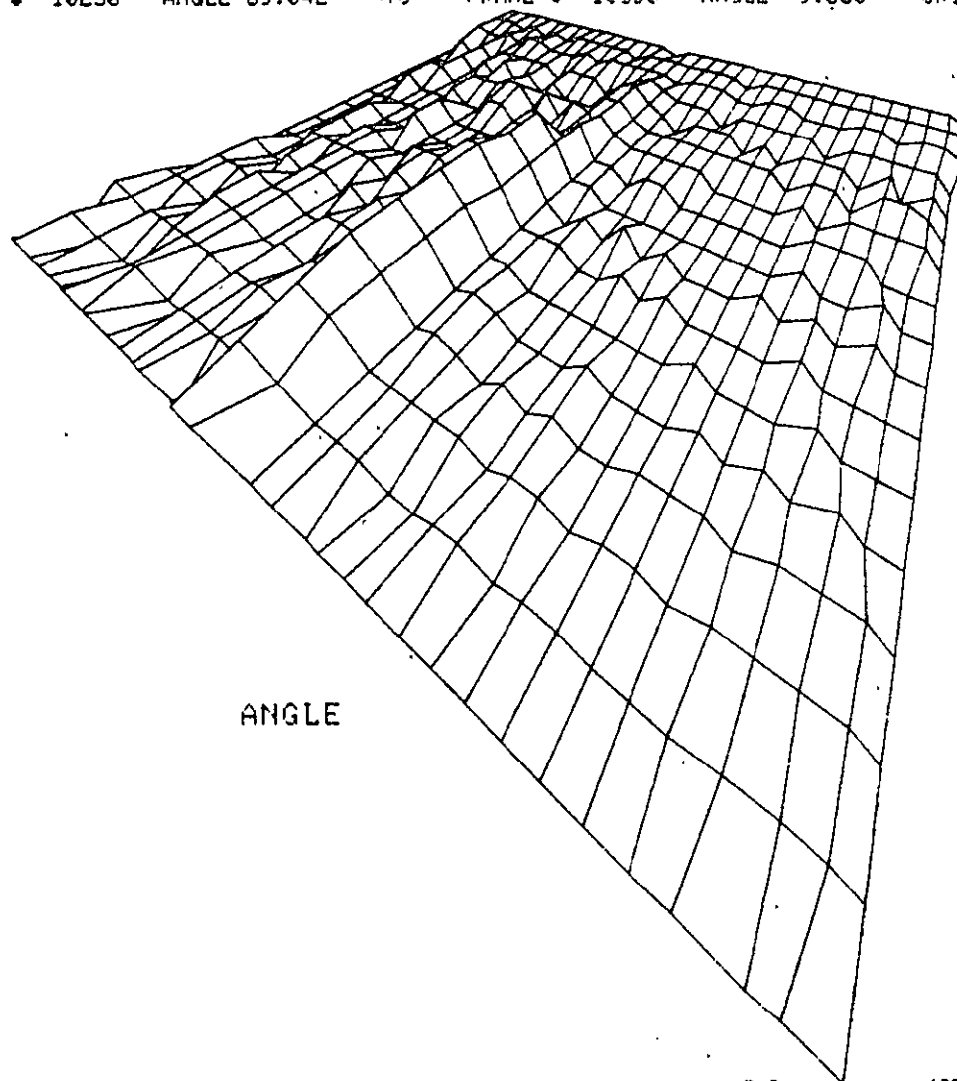
OPTION # 21-2

MAXIMUM U = 11.0

AVERAGE U = 2.7

ANGLE  
 1 64.9  
 2 64.5  
 3 63.8  
 4 62.6  
 5 61.3  
 6 59.7  
 7 57.8  
 8 56.0  
 9 54.3  
 10 52.5  
 11 50.8  
 12 49.1  
 13 47.4  
 14 45.7  
 15 44.1  
 16 42.4  
 17 40.6  
 18 38.9  
 19 37.1  
 20 35.4  
 21 33.6  
 22 31.9  
 23 30.1  
 24 28.4  
 25 26.7  
 26 24.8  
 27 23.0  
 28 21.3  
 29 19.5  
 30 17.8  
 31 15.9  
 32 14.2  
 33 12.5  
 34 10.8  
 35 9.8

64.9



153.8

R  
 1 153.8  
 2 172.4  
 3 190.9  
 4 209.5  
 5 228.0  
 6 246.6  
 7 265.1  
 8 283.7  
 9 302.2  
 10 320.7  
 11 339.3  
 12 357.8  
 13 376.4  
 14 394.9  
 15 413.5  
 16 432.0  
 17 469.1

R

ANGLE

9.8

469.1

U, R, A DISPLAY (VELOCITY AT IMAX)

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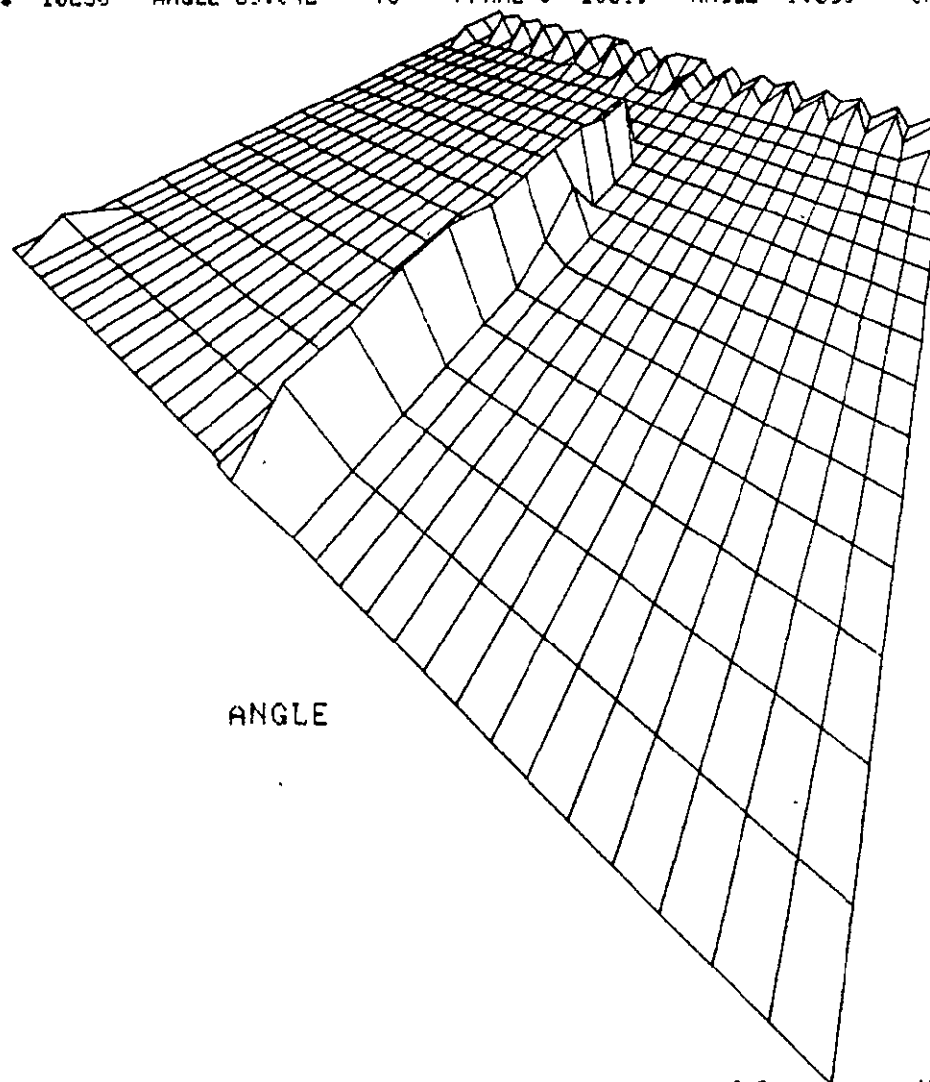
NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 14 FRAME # 10236 ANGLE 65.042 TO FRAME # 10850 ANGLE 9.650 CRITICAL AMP AT CELL 62  
 OPTION # 22-1

MAXIMUM U = 10.0  
 AVERAGE U = 1.4

ANGLE  
 1 64.9  
 2 64.5  
 3 63.8  
 4 62.6  
 5 61.3  
 6 59.7  
 7 57.8  
 8 56.0  
 9 54.3  
 10 52.5  
 11 50.8  
 12 49.1  
 13 47.4  
 14 45.7  
 15 44.1  
 16 42.4  
 17 40.6  
 18 38.9  
 19 37.1  
 20 35.4  
 21 33.6  
 22 31.9  
 23 30.1  
 24 28.4  
 25 26.7  
 26 24.8  
 27 23.0  
 28 21.3  
 29 19.5  
 30 17.8  
 31 15.9  
 32 14.2  
 33 12.5  
 34 10.8  
 35 9.8

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 OF POOR QUALITY

64.9



ANGLE

9.8

153.8

P

R  
 1 153.8  
 2 172.4  
 3 190.9  
 4 209.5  
 5 228.0  
 6 246.6  
 7 265.1  
 8 283.7  
 9 302.2  
 10 320.7  
 11 339.3  
 12 357.8  
 13 376.4  
 14 394.9  
 15 413.5  
 16 432.0  
 17 469.1

469.1

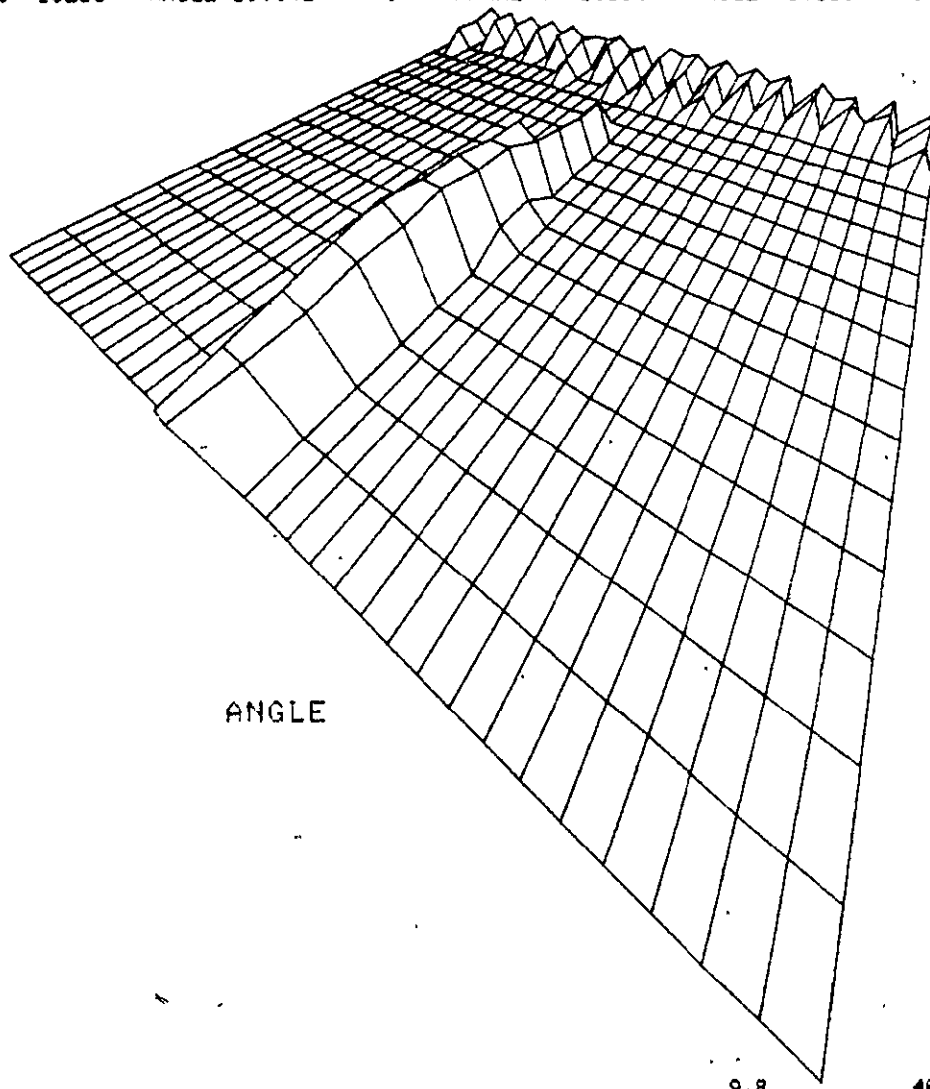
Umax, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

NASA PROJECT DUST DEVIL DAY 238 PUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 14 FRAME # 10236 ANGLE 65.042 TO FRAME # 10850 ANGLE 9.660 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 13.0  
 AVERAGE U = 1.7

ANGLE  
 1 64.9  
 2 64.5  
 3 63.8  
 4 62.6  
 5 61.3  
 6 59.7  
 7 57.8  
 8 56.0  
 9 54.3  
 10 52.5  
 11 50.8  
 12 49.1  
 13 47.4  
 14 45.7  
 15 44.1  
 16 42.4  
 17 40.6  
 18 38.9  
 19 37.1  
 20 35.4  
 21 33.6  
 22 31.9  
 23 30.1  
 24 28.4  
 25 26.7  
 26 24.8  
 27 23.0  
 28 21.3  
 29 19.5  
 30 17.8  
 31 15.9  
 32 14.2  
 33 12.5  
 34 10.8  
 35 9.8

64.9



153.8

R  
 1 153.8  
 2 172.4  
 3 190.9  
 4 209.5  
 5 223.0  
 6 246.6  
 7 265.1  
 8 283.7  
 9 302.2  
 10 320.7  
 11 339.3  
 12 357.2  
 13 376.4  
 14 394.9  
 15 413.5  
 16 432.0  
 17 469.1

R

ANGLE

9.8

469.1

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

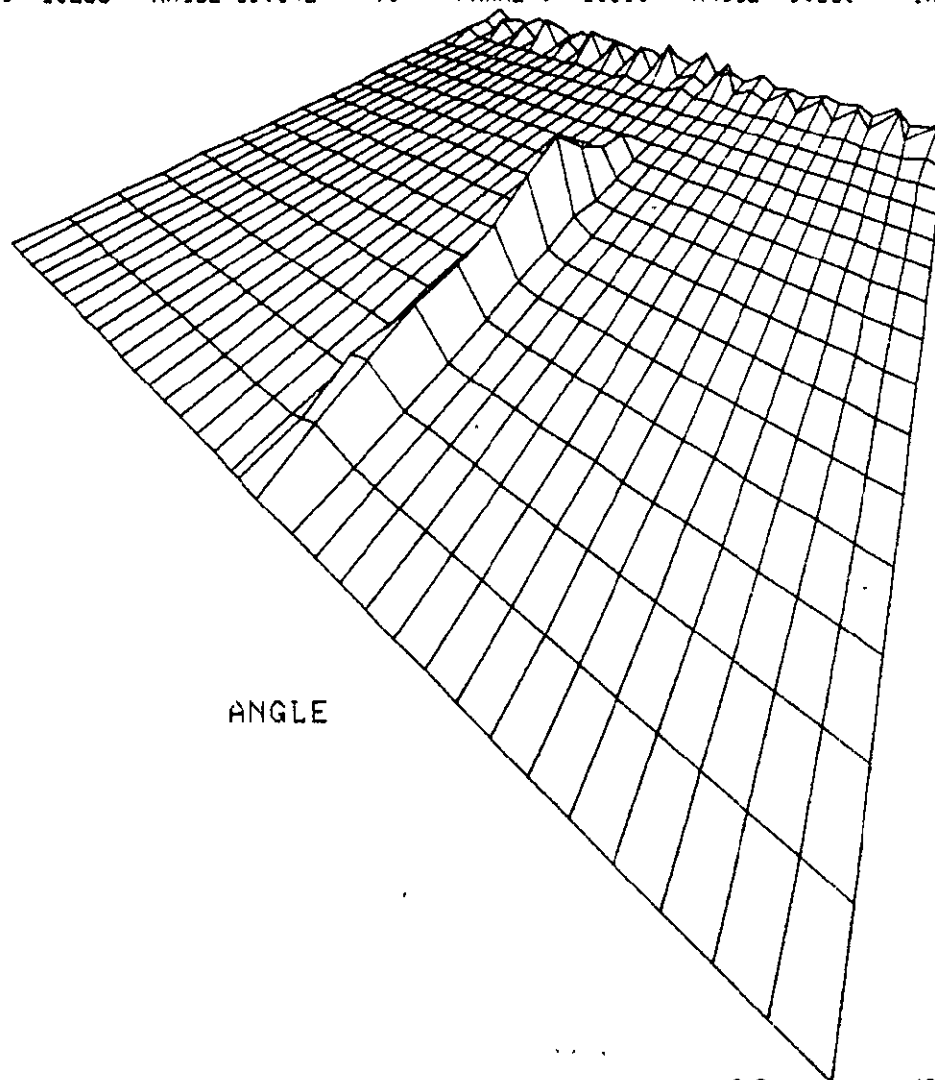
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 14 FRAME # 10236 ANGLE 65.042 TO FRAME # 10250 ANGLE 9.860 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 64.9  
 2 64.5  
 3 63.8  
 4 62.6  
 5 61.3  
 6 59.7  
 7 57.8  
 8 56.0  
 9 54.3  
 10 52.5  
 11 50.8  
 12 49.1  
 13 47.4  
 14 45.7  
 15 44.1  
 16 42.4  
 17 40.6  
 18 38.9  
 19 37.1  
 20 35.4  
 21 33.6  
 22 31.9  
 23 30.1  
 24 28.4  
 25 26.7  
 26 24.8  
 27 23.0  
 28 21.3  
 29 19.5  
 30 17.8  
 31 15.9  
 32 14.2  
 33 12.5  
 34 10.8  
 35 9.8

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64.9

ANGLE



153.8

R  
 1 153.8  
 2 172.4  
 3 190.9  
 4 209.5  
 5 228.0  
 6 246.6  
 7 265.1  
 8 283.7  
 9 302.2  
 10 320.7  
 11 339.3  
 12 357.6  
 13 376.4  
 14 394.9  
 15 413.5  
 16 432.0  
 17 469.1

R

9.8

469.1

U \* I<sub>MAX</sub>, R, A DISPLAY

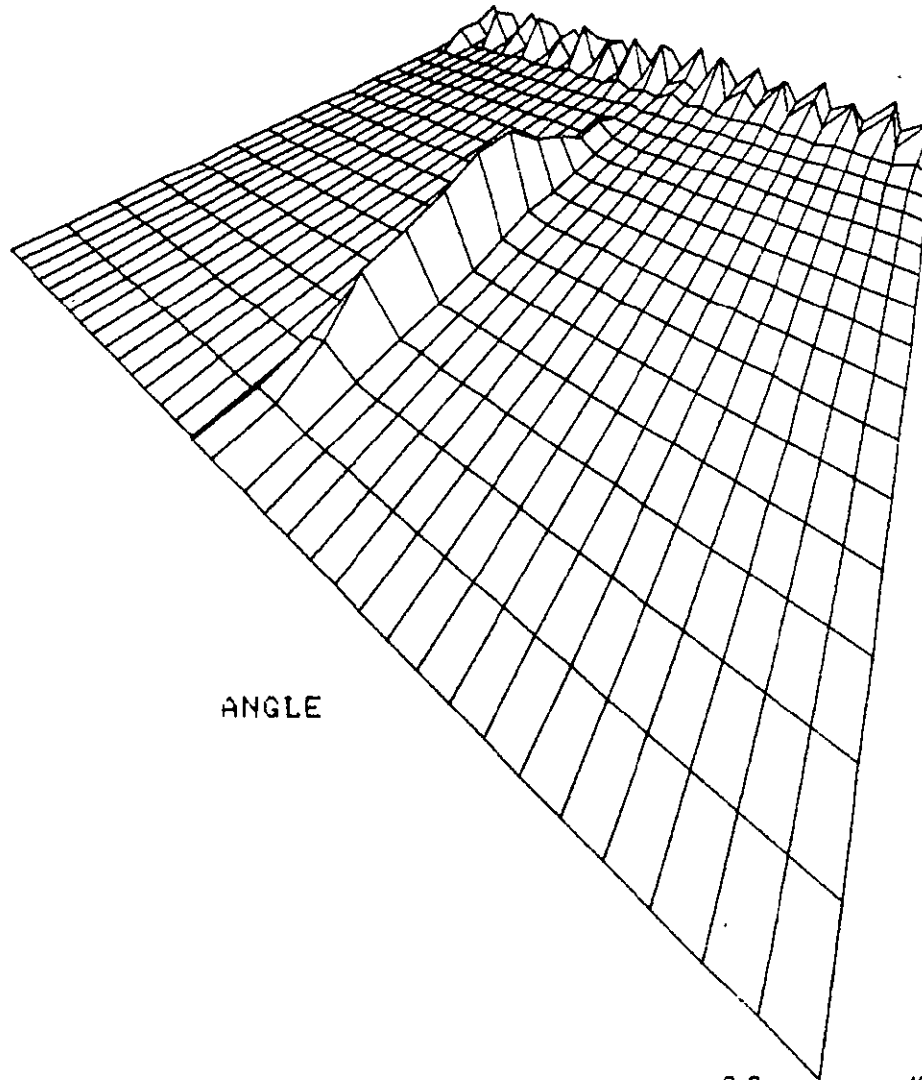
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 3- 2110  
 \* SCAN # 14 FRAME # 10236 ANGLE 65.042 TO FRAME # 10250 ANGLE 9.660 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 64.9  
 2 64.5  
 3 63.8  
 4 62.6  
 5 61.3  
 6 59.7  
 7 57.8  
 8 56.0  
 9 54.3  
 10 52.5  
 11 50.8  
 12 49.1  
 13 47.4  
 14 45.7  
 15 44.1  
 16 42.4  
 17 40.6  
 18 38.9  
 19 37.1  
 20 35.4  
 21 33.6  
 22 31.9  
 23 30.1  
 24 28.4  
 25 26.7  
 26 24.8  
 27 23.0  
 28 21.3  
 29 19.5  
 30 17.8  
 31 15.9  
 32 14.2  
 33 12.5  
 34 10.8  
 35 9.8

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64.9

ANGLE



9.8

469.1

153.8

R

R  
 1 153.8  
 2 172.4  
 3 190.9  
 4 209.5  
 5 228.0  
 6 246.6  
 7 265.1  
 8 283.7  
 9 302.2  
 10 320.7  
 11 339.3  
 12 357.8  
 13 376.4  
 14 394.9  
 15 413.5  
 16 432.0  
 17 469.1

U \* IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 15 FRAME # 10850 ANGLE 9.660 TO FRAME # 11481 ANGLE 65.140 CRITICAL AMP AT CELL 62

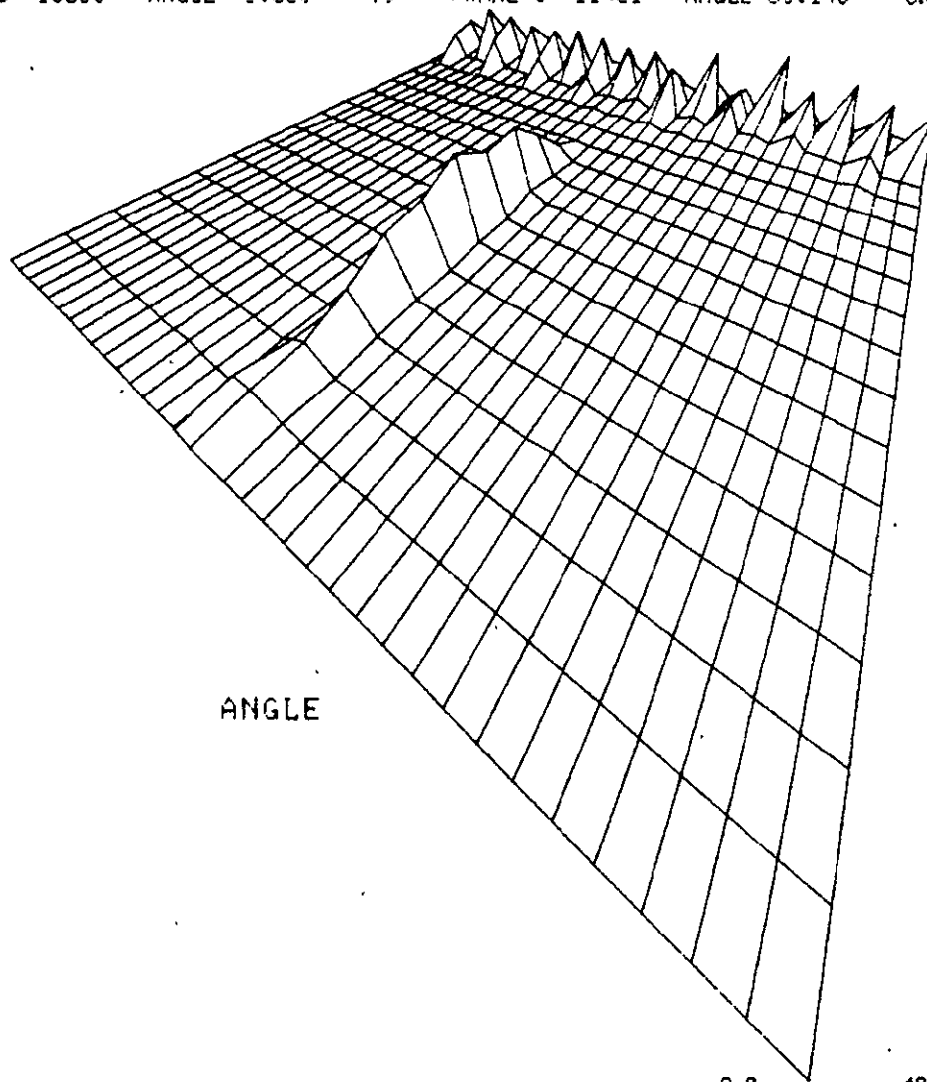
OPTION # 11-1

MAXIMUM I = 36.0

AVERAGE I = 1.8

ANGLE  
 1 9.8  
 2 10.0  
 3 10.7  
 4 11.9  
 5 13.3  
 6 14.9  
 7 16.7  
 8 18.4  
 9 20.2  
 10 21.9  
 11 23.7  
 12 25.4  
 13 27.1  
 14 28.9  
 15 30.7  
 16 32.4  
 17 34.1  
 18 35.9  
 19 37.7  
 20 39.3  
 21 41.1  
 22 42.8  
 23 44.5  
 24 46.2  
 25 47.9  
 26 49.6  
 27 51.3  
 28 53.1  
 29 54.8  
 30 56.5  
 31 58.2  
 32 60.1  
 33 61.9  
 34 63.6  
 35 64.6

64.6



147.3

R

R  
 1 147.3  
 2 167.0  
 3 186.7  
 4 206.3  
 5 226.0  
 6 245.6  
 7 265.3  
 8 284.9  
 9 304.6  
 10 324.2  
 11 343.9  
 12 363.5  
 13 383.2  
 14 402.9  
 15 422.5  
 16 442.1  
 17 481.4

9.8

481.4

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 15 FRAME # 10850 ANGLE 9.660 TO FRAME # 11401 ANGLE 65.140 CRITICAL AMP AT CELL 62

OPTION # 11-2

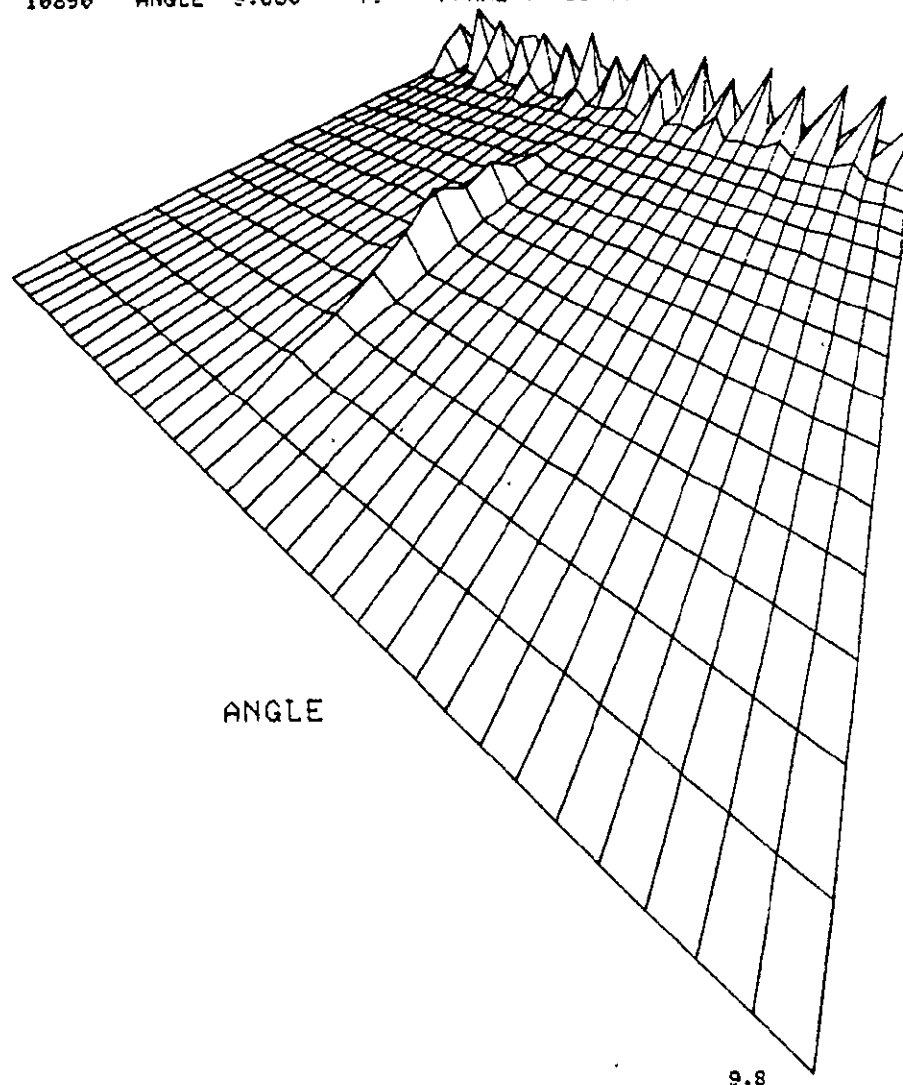
MAXIMUM I = 55.0

AVERAGE I = 3.3

ANGLE

1	9.8
2	10.0
3	10.7
4	11.9
5	13.3
6	14.9
7	16.7
8	18.4
9	20.2
10	21.9
11	23.7
12	25.4
13	27.1
14	28.9
15	30.7
16	32.4
17	34.1
18	35.9
19	37.7
20	39.3
21	41.1
22	42.8
23	44.5
24	46.2
25	47.9
26	49.6
27	51.3
28	53.1
29	54.8
30	56.5
31	58.2
32	60.1
33	61.9
34	63.6
35	64.6

64.6



ANGLE

9.8

481.4

147.3

P	
1	147.3
2	167.0
3	186.7
4	206.3
5	226.0
6	245.6
7	265.3
8	284.9
9	304.6
10	324.2
11	343.9
12	363.5
13	383.2
14	402.8
15	422.5
16	442.1
17	461.4

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IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 15 FRAME # 10350 ANGLE 9.660 TO FRAME # 11431 ANGLE 65.140 CRITICAL AMP AT CELL 62

OPTION # 12-1

MAXIMUM I = 6.0

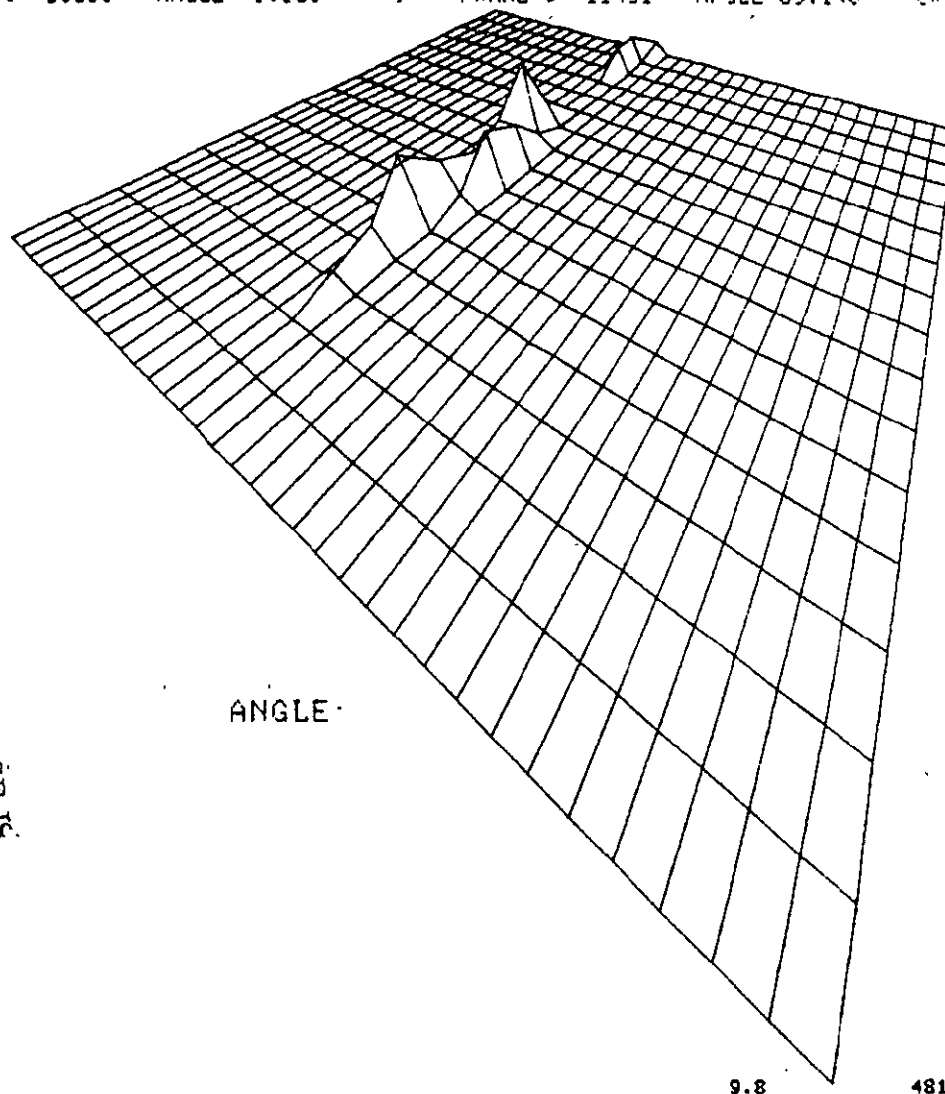
AVERAGE I = 0.1

ANGLE  
 1 9.8  
 2 10.0  
 3 10.7  
 4 11.9  
 5 13.3  
 6 14.9  
 7 16.7  
 8 18.4  
 9 20.2  
 10 21.9  
 11 23.7  
 12 25.4  
 13 27.1  
 14 28.9  
 15 30.7  
 16 32.4  
 17 34.1  
 18 35.9  
 19 37.7  
 20 39.3  
 21 41.1  
 22 42.8  
 23 44.5  
 24 46.2  
 25 47.9  
 26 49.6  
 27 51.3  
 28 53.1  
 29 54.8  
 30 56.5  
 31 58.2  
 32 60.1  
 33 61.9  
 34 63.6  
 35 64.6

64.6

ORIGINAL PAGE IS  
 OF POOR QUALITY

ANGLE



147.3

R  
 1 147.3  
 2 167.0  
 3 186.7  
 4 206.3  
 5 226.0  
 6 245.6  
 7 265.3  
 8 284.9  
 9 304.6  
 10 324.2  
 11 343.9  
 12 363.5  
 13 383.2  
 14 402.0  
 15 422.5  
 16 442.1  
 17 481.4

R

9.8

481.4

I, R, A DISPLAY AT VELOCITY CELL 62

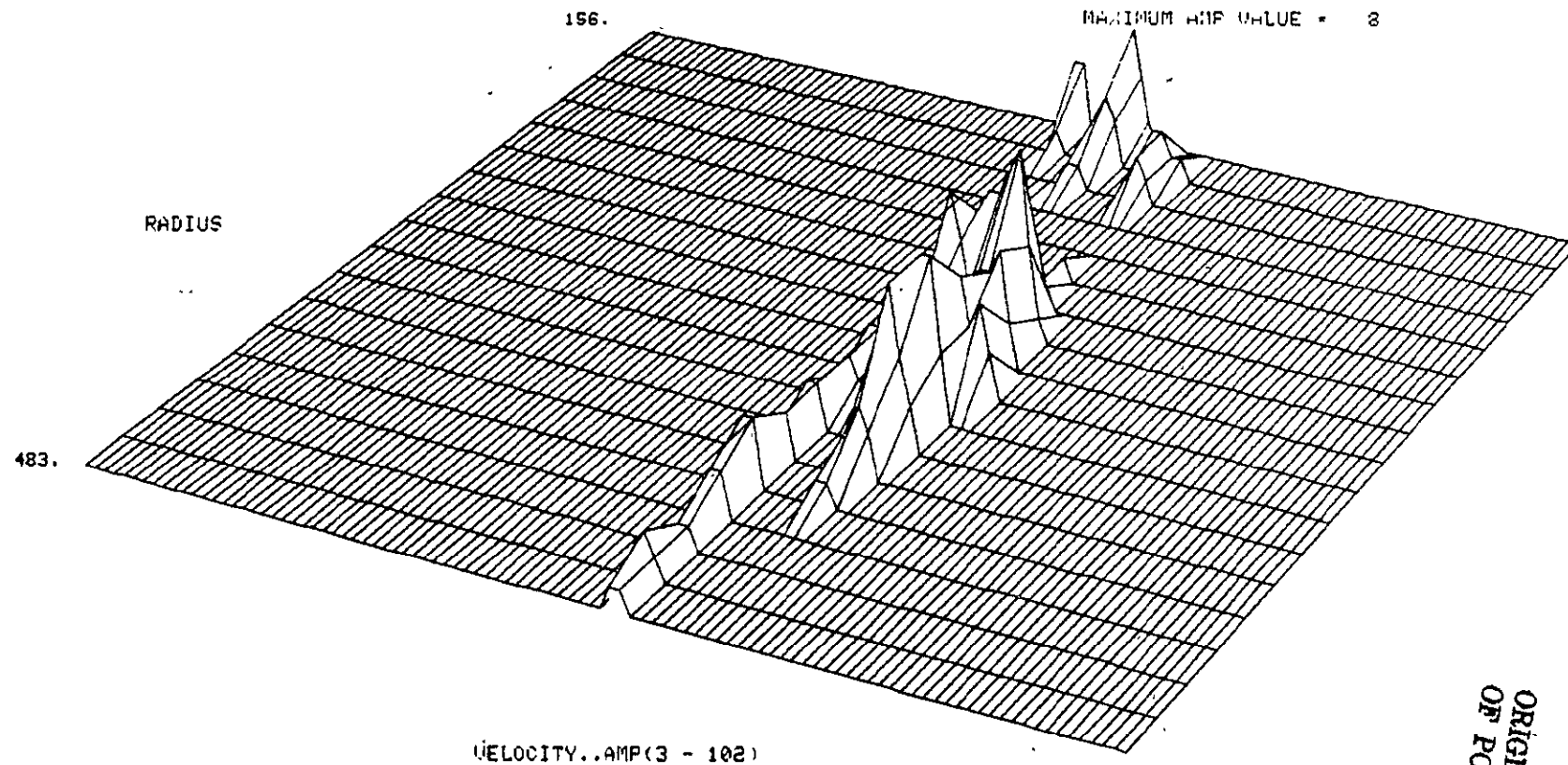


NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 2110  
 SCAN # 15 FRAME # 10850 ANGLE 9.660 TO FRAME # 11491 ANGLE 65.140 CRITICAL AMP AT CELL 62

FRAME # 11210 TO 11223

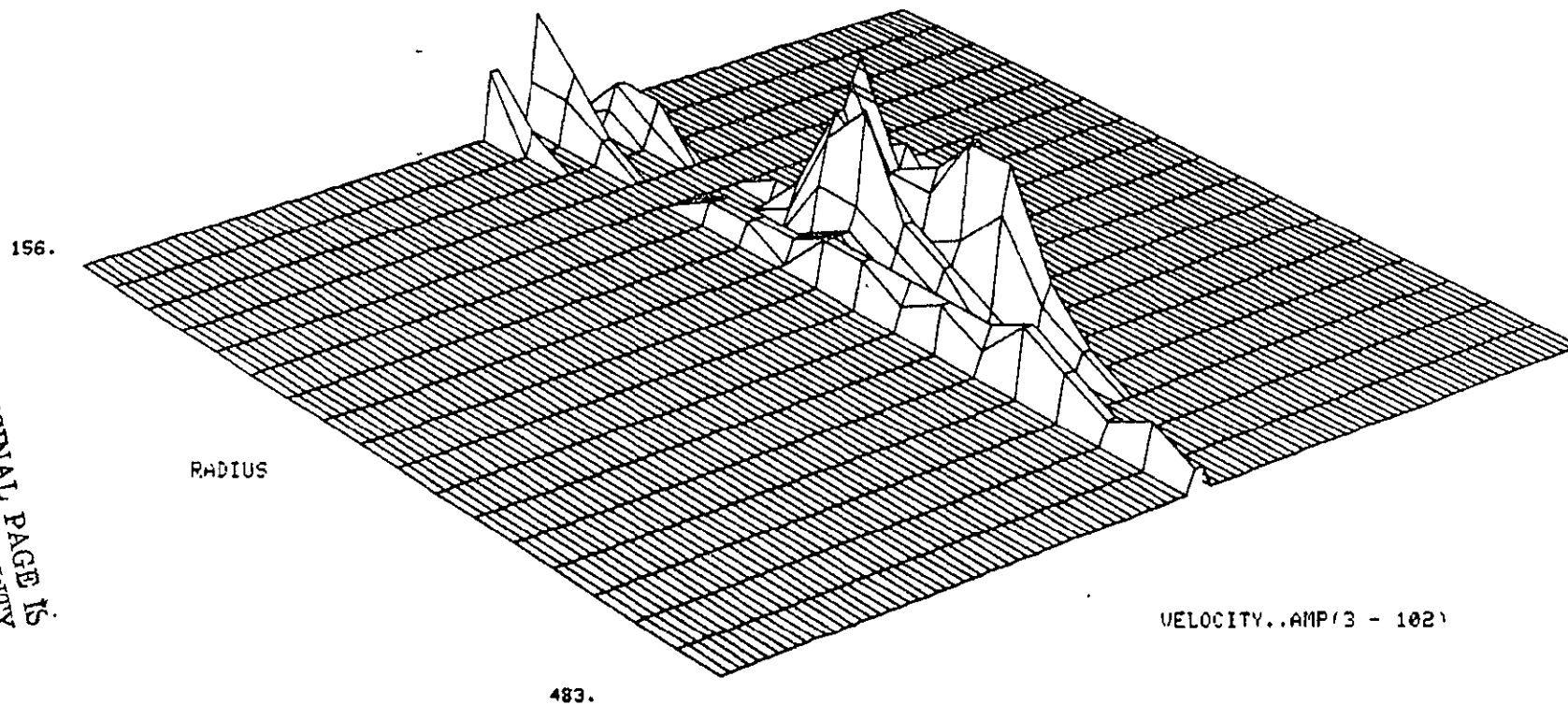
ANGLE = 41.13

MAXIMUM AMP VALUE = 8



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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 15 FRAME # 10850 ANGLE 9.660 TO FRAME # 11481 ANGLE 65.140 CRITICAL AMP AT CELL 62  
 FRAME # 11210 TO 11228  
 ANGLE = 41.13  
 MAXIMUM AMP VALUE = 8



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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2-13110  
 \* SCAN # 15 FRAME # 10550 ANGLE 9.660 TO FRAME # 11431 ANGLE 65.140 CRITICAL AMP AT CELL 62

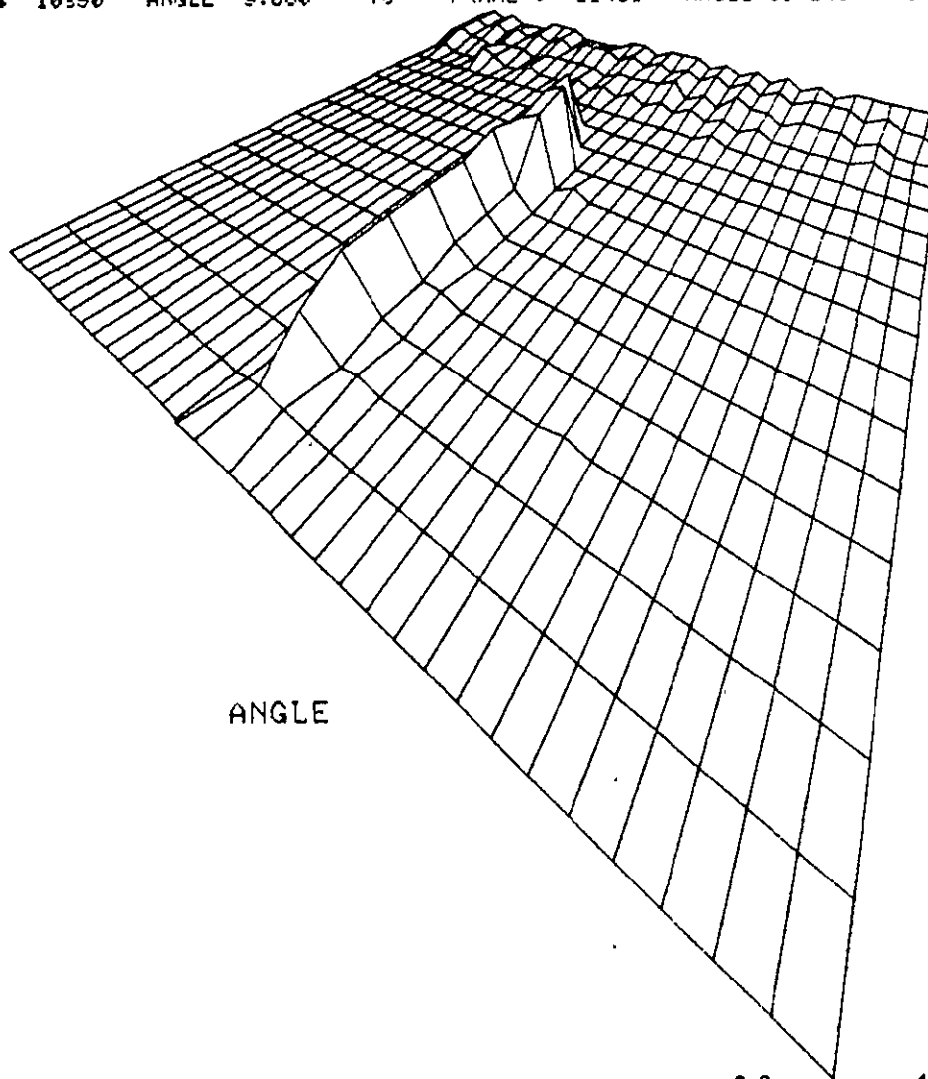
OPTION # 21-1

MAXIMUM U = 10.0

AVERAGE U = 1.4

ANGLE  
 1 9.8  
 2 10.0  
 3 10.7  
 4 11.9  
 5 13.3  
 6 14.9  
 7 16.7  
 8 18.4  
 9 20.2  
 10 21.9  
 11 23.7  
 12 25.4  
 13 27.1  
 14 28.9  
 15 30.7  
 16 32.4  
 17 34.1  
 18 35.9  
 19 37.7  
 20 39.3  
 21 41.1  
 22 42.8  
 23 44.5  
 24 46.2  
 25 47.9  
 26 49.6  
 27 51.3  
 28 53.1  
 29 54.8  
 30 56.5  
 31 58.2  
 32 60.1  
 33 61.9  
 34 63.6  
 35 64.6

64.6



9.8

481.4

147.3

R  
 1 147.3  
 2 167.0  
 3 186.7  
 4 206.3  
 5 226.0  
 6 245.6  
 7 265.3  
 8 284.9  
 9 304.6  
 10 324.2  
 11 343.9  
 12 363.5  
 13 383.2  
 14 402.8  
 15 422.5  
 16 442.1  
 17 461.4

ORIGINAL PAGE IS  
 OF POOR QUALITY

U, R, A DISPLAY (VELOCITY AT I MAX)

NASA PROJECT DUST DEVIL DAY 232 FUN: 4 TAPE 1 OF 2- 8110  
 \* SCAN # 15 FRAME # 10850 ANGLE 9.660 TO FRAME # 11481 ANGLE 65.140 CRITICAL AMP AT CELL 62

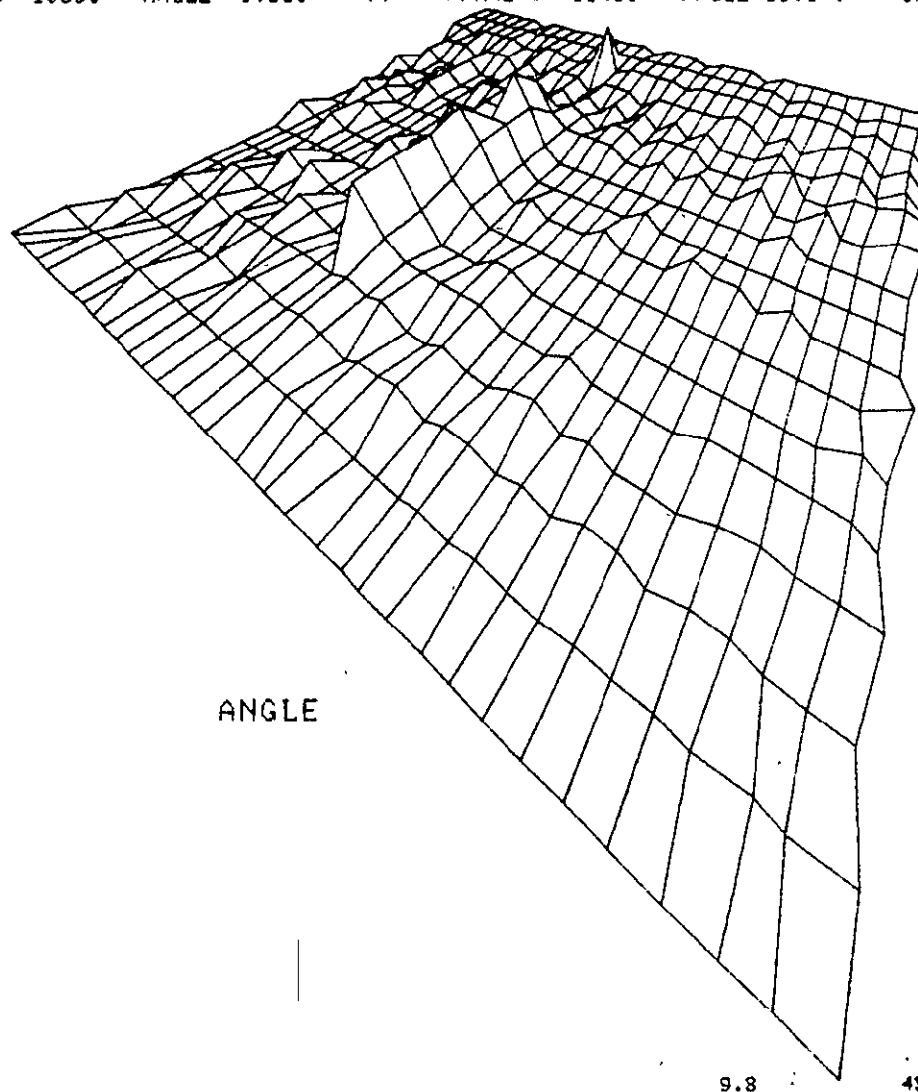
OPTION # 21-2

MAXIMUM U = 12.0

AVERAGE U = 2.5

ANGLE  
 1 9.8  
 2 10.0  
 3 10.7  
 4 11.9  
 5 13.3  
 6 14.9  
 7 16.7  
 8 18.4  
 9 20.2  
 10 21.9  
 11 23.7  
 12 25.4  
 13 27.1  
 14 28.9  
 15 30.7  
 16 32.4  
 17 34.1  
 18 35.9  
 19 37.7  
 20 39.3  
 21 41.1  
 22 42.8  
 23 44.5  
 24 46.2  
 25 47.9  
 26 49.6  
 27 51.3  
 28 53.1  
 29 54.8  
 30 56.5  
 31 58.2  
 32 60.1  
 33 61.9  
 34 63.6  
 35 64.6

ORIGINAL PAGE IS  
 OF POOR QUALITY



147.3

R  
 1 147.3  
 2 167.0  
 3 186.7  
 4 206.3  
 5 226.0  
 6 245.6  
 7 265.3  
 8 284.9  
 9 304.6  
 10 324.2  
 11 343.9  
 12 363.5  
 13 383.2  
 14 402.8  
 15 422.5  
 16 442.1  
 17 461.4

R

ANGLE

9.8

431.4

U, R, A DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEVIL DAY 253 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 15 FRAME # 10850 ANGLE 9.660 TO FRAME # 11451 ANGLE 65.140 CRITICAL AMP AT CELL 62

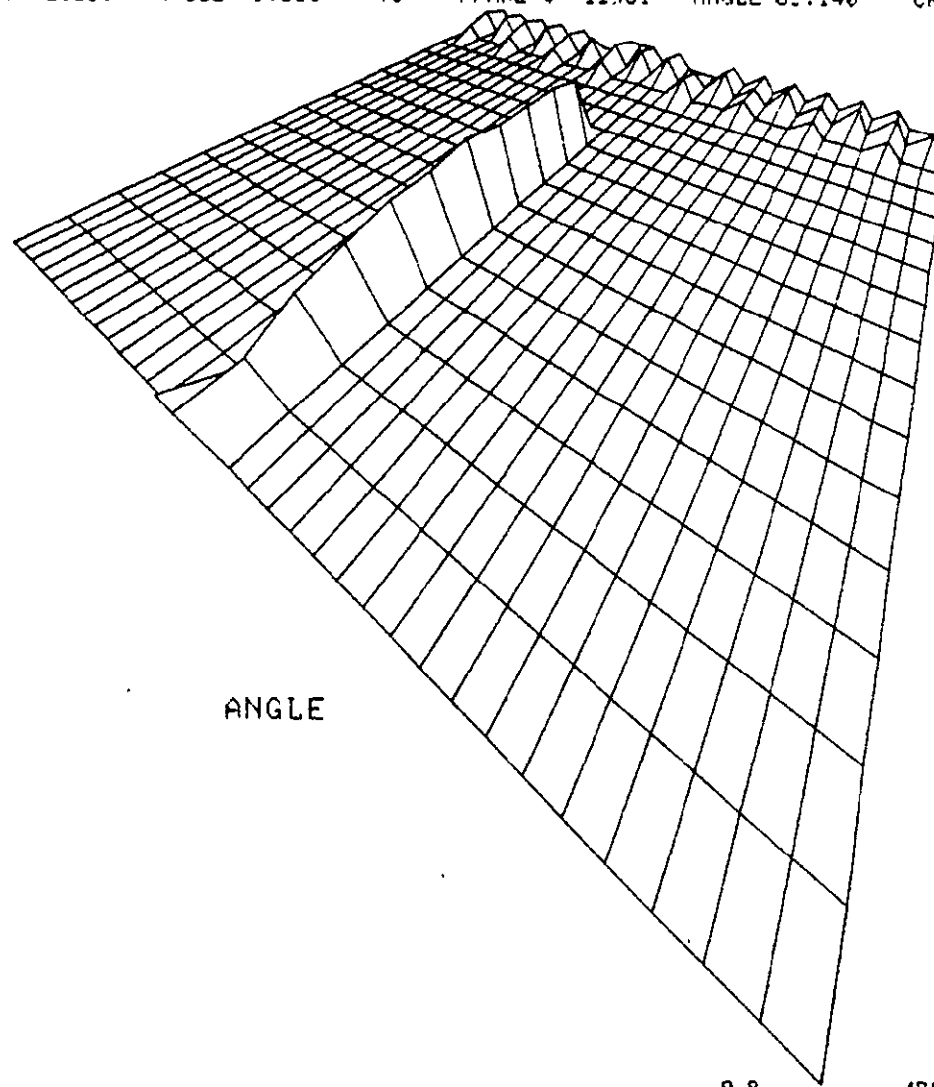
OPTION # 22-1

MAXIMUM U = 11.0

AVERAGE U = 1.3

ANGLE
1 9.8
2 10.0
3 10.7
4 11.9
5 13.3
6 14.9
7 16.7
8 18.4
9 20.2
10 21.9
11 23.7
12 25.4
13 27.1
14 28.9
15 30.7
16 32.4
17 34.1
18 35.9
19 37.7
20 39.3
21 41.1
22 42.8
23 44.5
24 46.2
25 47.9
26 49.6
27 51.3
28 53.1
29 54.8
30 56.5
31 58.2
32 60.1
33 61.9
34 63.6
35 64.6

64.6



147.3

R
1 147.3
2 167.0
3 186.7
4 206.3
5 226.0
6 245.6
7 265.3
8 284.9
9 304.6
10 324.2
11 343.9
12 363.5
13 383.2
14 402.8
15 422.5
16 442.1
17 461.4

R

9.8

481.4

ANGLE

U MAX, R, A DISPLAY AMPLITUDE THRESHOLD AT I = .5

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OF POOR QUALITY

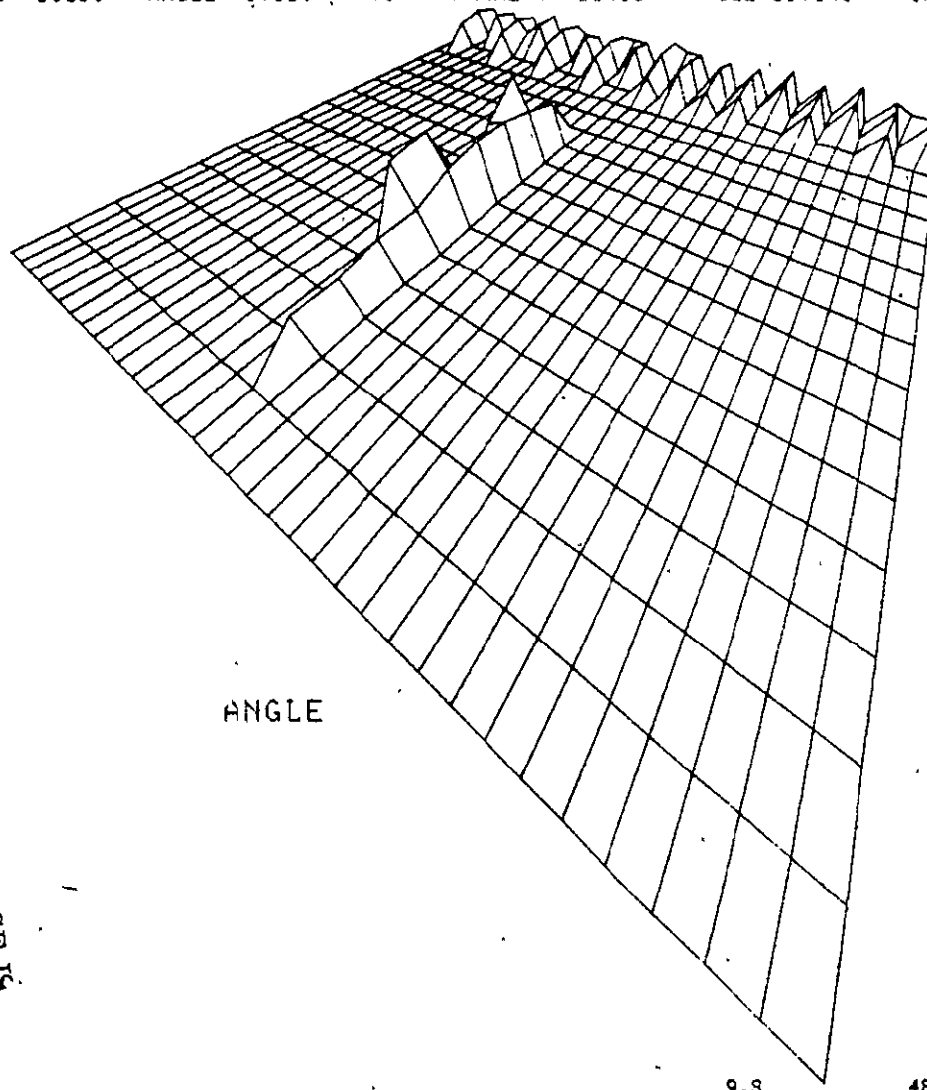
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 15 FRAME # 10850 ANGLE 9.860 TO FRAME # 11491 ANGLE 65.140 CRITICAL AMP WT CELL 62  
 OPTION # 22-2

MAXIMUM U = 12.0  
 AVERAGE U = 1.5

ANGLE  
 1 9.8  
 2 10.0  
 3 10.7  
 4 11.9  
 5 13.3  
 6 14.9  
 7 16.7  
 8 18.4  
 9 20.2  
 10 21.9  
 11 23.7  
 12 25.4  
 13 27.1  
 14 28.9  
 15 30.7  
 16 32.4  
 17 34.1  
 18 35.9  
 19 37.7  
 20 39.3  
 21 41.1  
 22 42.8  
 23 44.5  
 24 46.2  
 25 47.9  
 26 49.6  
 27 51.3  
 28 53.1  
 29 54.8  
 30 56.5  
 31 58.2  
 32 60.1  
 33 61.9  
 34 63.6  
 35 64.6

64.6

ORIGINAL PAGE IS  
 OF POOR QUALITY



147.3

R  
 1 147.3  
 2 167.0  
 3 186.7  
 4 206.3  
 5 226.0  
 6 245.6  
 7 265.3  
 8 284.9  
 9 304.6  
 10 324.2  
 11 343.9  
 12 363.5  
 13 383.2  
 14 402.0  
 15 422.5  
 16 442.1  
 17 461.4

R

9.8

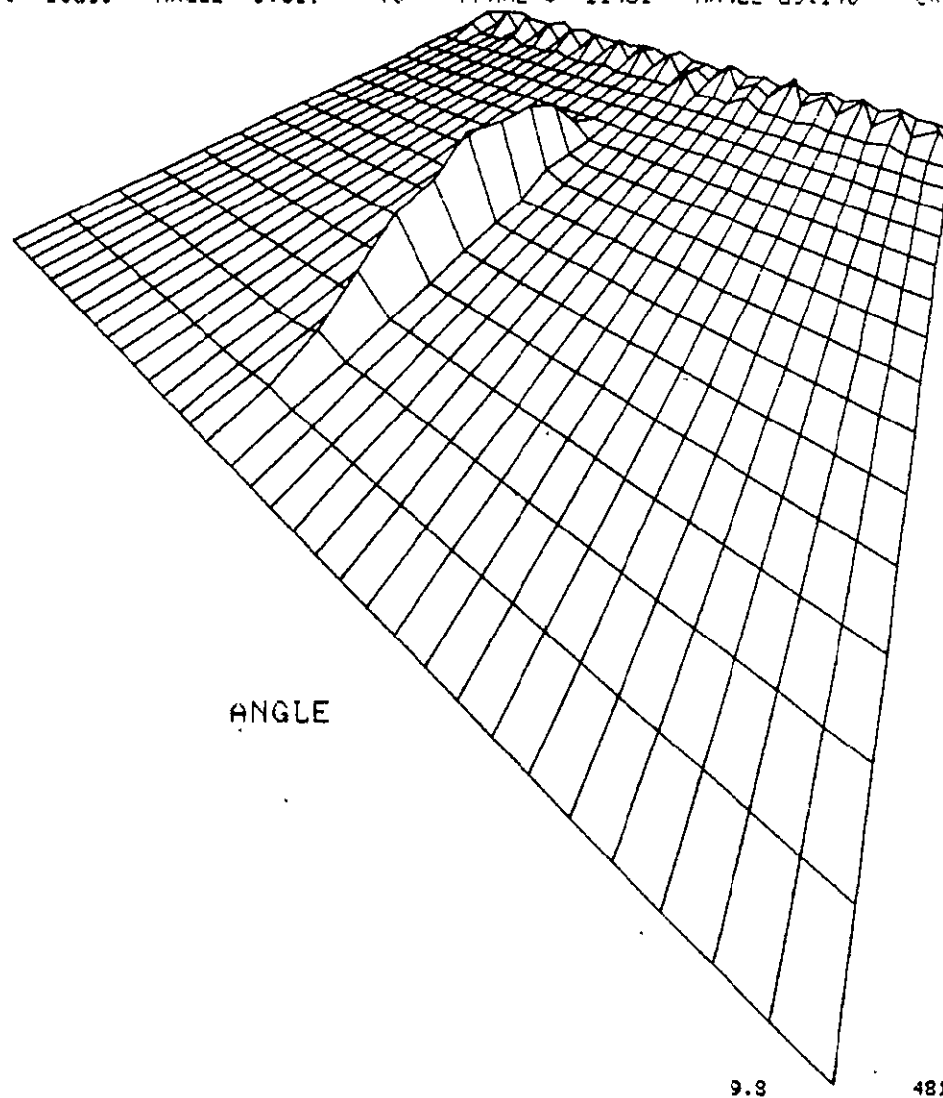
481.4

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 15 FRAME # 10850 ANGLE 9.660 TO FRAME # 11431 ANGLE 65.140 CRITICAL AMP AT CELL 62  
 \* OPTION # 31-1

ANGLE
1 9.8
2 10.0
3 10.7
4 11.9
5 13.3
6 14.9
7 16.7
8 18.4
9 20.2
10 21.9
11 23.7
12 25.4
13 27.1
14 28.9
15 30.7
16 32.4
17 34.1
18 35.9
19 37.7
20 39.3
21 41.1
22 42.8
23 44.5
24 46.2
25 47.9
26 49.6
27 51.3
28 53.1
29 54.8
30 56.5
31 58.2
32 60.1
33 61.9
34 63.6
35 64.6

64.6



ANGLE

147.3

F

9.8

481.4

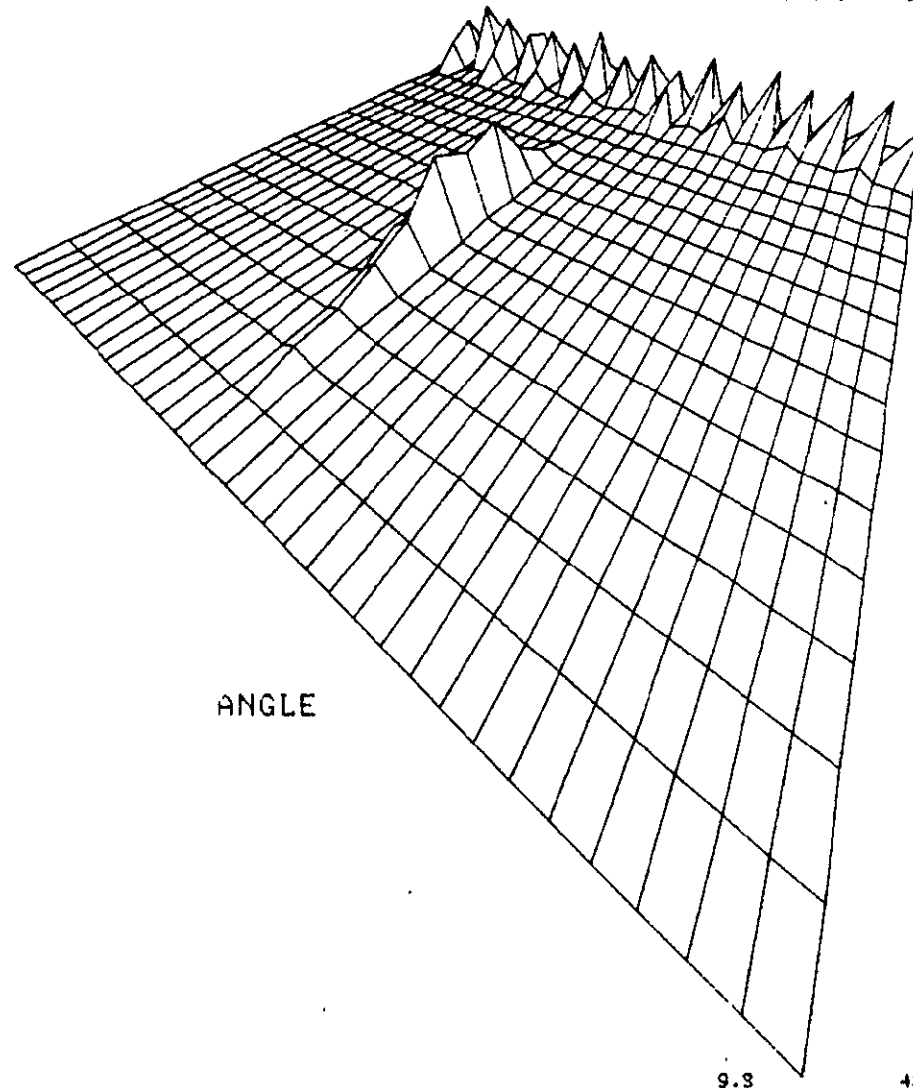
R
1 147.3
2 167.0
3 186.7
4 206.3
5 226.0
6 245.6
7 265.3
8 284.9
9 304.6
10 324.2
11 343.9
12 363.5
13 383.2
14 402.8
15 422.5
16 442.1
17 461.4

U \* I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 2110  
 \* SCAN # 15 FRAME # 10850 ANGLE 9.660 TO FRAME # 11421 ANGLE 65.140 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 9.8  
 2 10.0  
 3 10.7  
 4 11.9  
 5 13.3  
 6 14.9  
 7 16.7  
 8 18.4  
 9 20.2  
 10 21.9  
 11 23.7  
 12 25.4  
 13 27.1  
 14 28.9  
 15 30.7  
 16 32.4  
 17 34.1  
 18 35.9  
 19 37.7  
 20 39.3  
 21 41.1  
 22 42.8  
 23 44.5  
 24 46.2  
 25 47.9  
 26 49.6  
 27 51.3  
 28 53.1  
 29 54.8  
 30 56.5  
 31 58.2  
 32 60.1  
 33 61.9  
 34 63.6  
 35 64.6

64.6



147.3

R  
 1 147.3  
 2 167.0  
 3 186.7  
 4 206.3  
 5 226.0  
 6 245.6  
 7 265.3  
 8 284.9  
 9 304.6  
 10 324.2  
 11 343.9  
 12 363.5  
 13 383.2  
 14 402.5  
 15 422.5  
 16 442.1  
 17 461.4

R

ANGLE

9.3

461.4

U \* I MAX, R, A DISPLAY

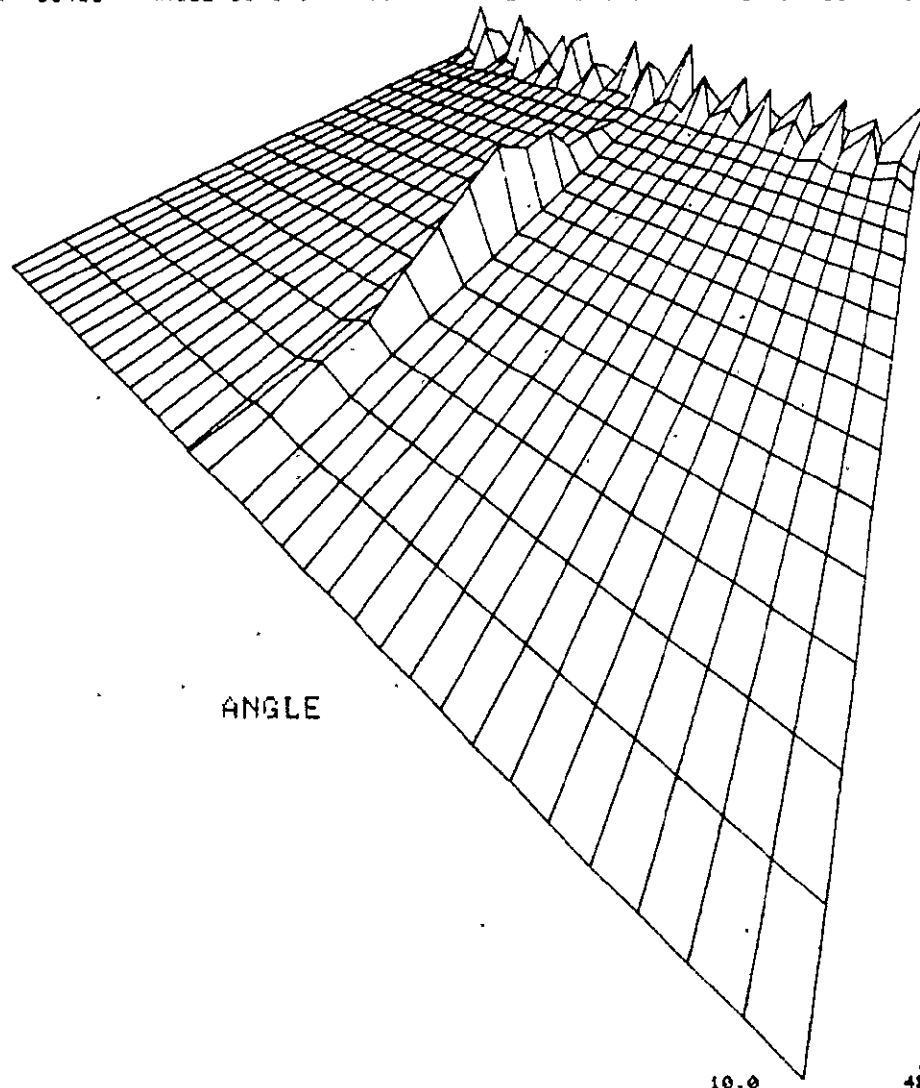


NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 16 FRAME # 11481 ANGLE 65.140 TO FRAME # 12100 ANGLE 9.712 CRITICAL AMP AT CELL 62  
 OPTION # 11-1

MAXIMUM I = 40.0  
 AVERAGE I = 1.7

ANGLE  
 1 65.1  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.7  
 6 60.0  
 7 58.3  
 8 56.4  
 9 54.7  
 10 53.0  
 11 51.2  
 12 49.5  
 13 47.8  
 14 46.2  
 15 44.4  
 16 42.7  
 17 41.0  
 18 39.3  
 19 37.5  
 20 35.8  
 21 34.0  
 22 32.3  
 23 30.6  
 24 28.9  
 25 27.1  
 26 25.2  
 27 23.4  
 28 21.7  
 29 19.9  
 30 18.2  
 31 16.4  
 32 14.6  
 33 12.9  
 34 11.1  
 35 10.0

65.1



160.0

0.7

10.0

480.9

R  
 1 160.0  
 2 178.9  
 3 197.8  
 4 216.6  
 5 235.5  
 6 254.4  
 7 273.3  
 8 292.2  
 9 311.0  
 10 329.9  
 11 348.8  
 12 367.7  
 13 386.6  
 14 405.4  
 15 424.3  
 16 443.2  
 17 462.1

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IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 16 FRAME # 11481 ANGLE 65.140 TO FRAME # 12100 ANGLE 9.718 CRITICAL AMP AT CELL 62

OPTION # 11-2

MAXIMUM I = 56.0

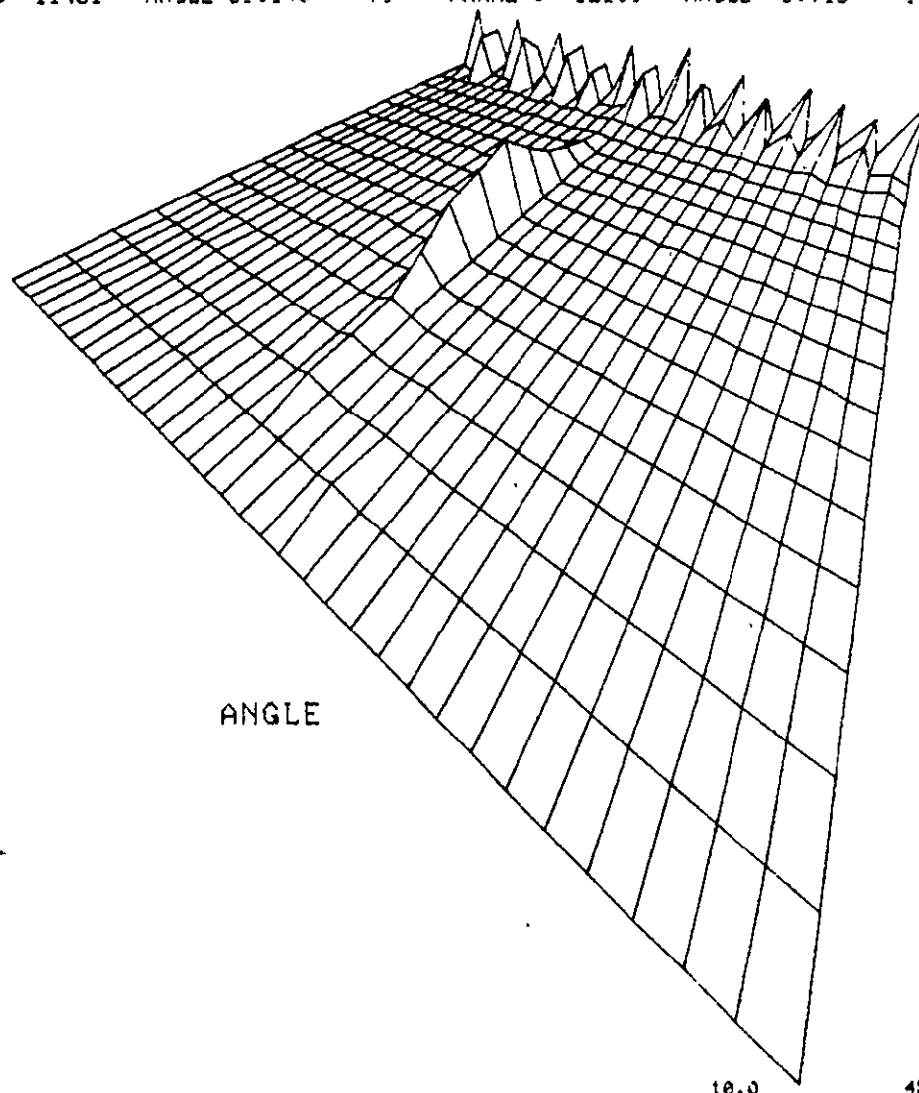
AVERAGE I = 3.1

ANGLE  
 1 65.1  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.7  
 6 60.0  
 7 58.3  
 8 56.4  
 9 54.7  
 10 53.0  
 11 51.2  
 12 49.5  
 13 47.8  
 14 46.2  
 15 44.4  
 16 42.7  
 17 41.0  
 18 39.3  
 19 37.5  
 20 35.8  
 21 34.0  
 22 32.3  
 23 30.6  
 24 28.9  
 25 27.1  
 26 25.2  
 27 23.4  
 28 21.7  
 29 19.9  
 30 18.2  
 31 16.4  
 32 14.6  
 33 12.9  
 34 11.1  
 35 10.0

65.1

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ANGLE



160.0

R

R  
 1 160.0  
 2 178.9  
 3 197.8  
 4 216.6  
 5 235.5  
 6 254.4  
 7 273.3  
 8 292.2  
 9 311.0  
 10 329.9  
 11 348.8  
 12 367.7  
 13 386.6  
 14 405.4  
 15 424.3  
 16 443.2  
 17 460.9

10.0

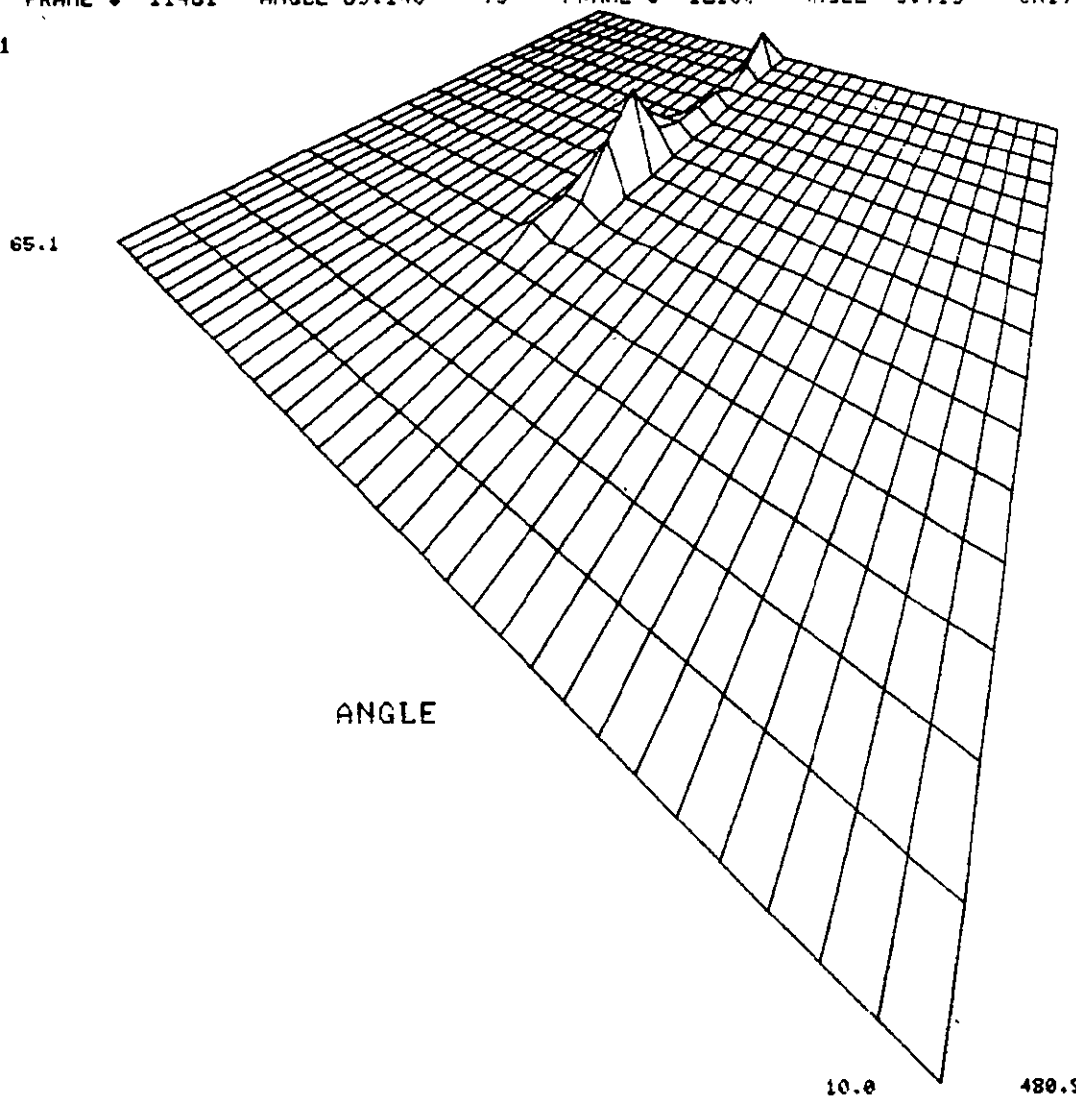
480.9

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 16 FRAME # 11481 ANGLE 65.140 TO FRAME # 12100 ANGLE 9.719 CRITICAL AMP AT CELL 62  
 OPTION # 12-1

MAXIMUM I = 6.0  
 AVERAGE I = 0.1

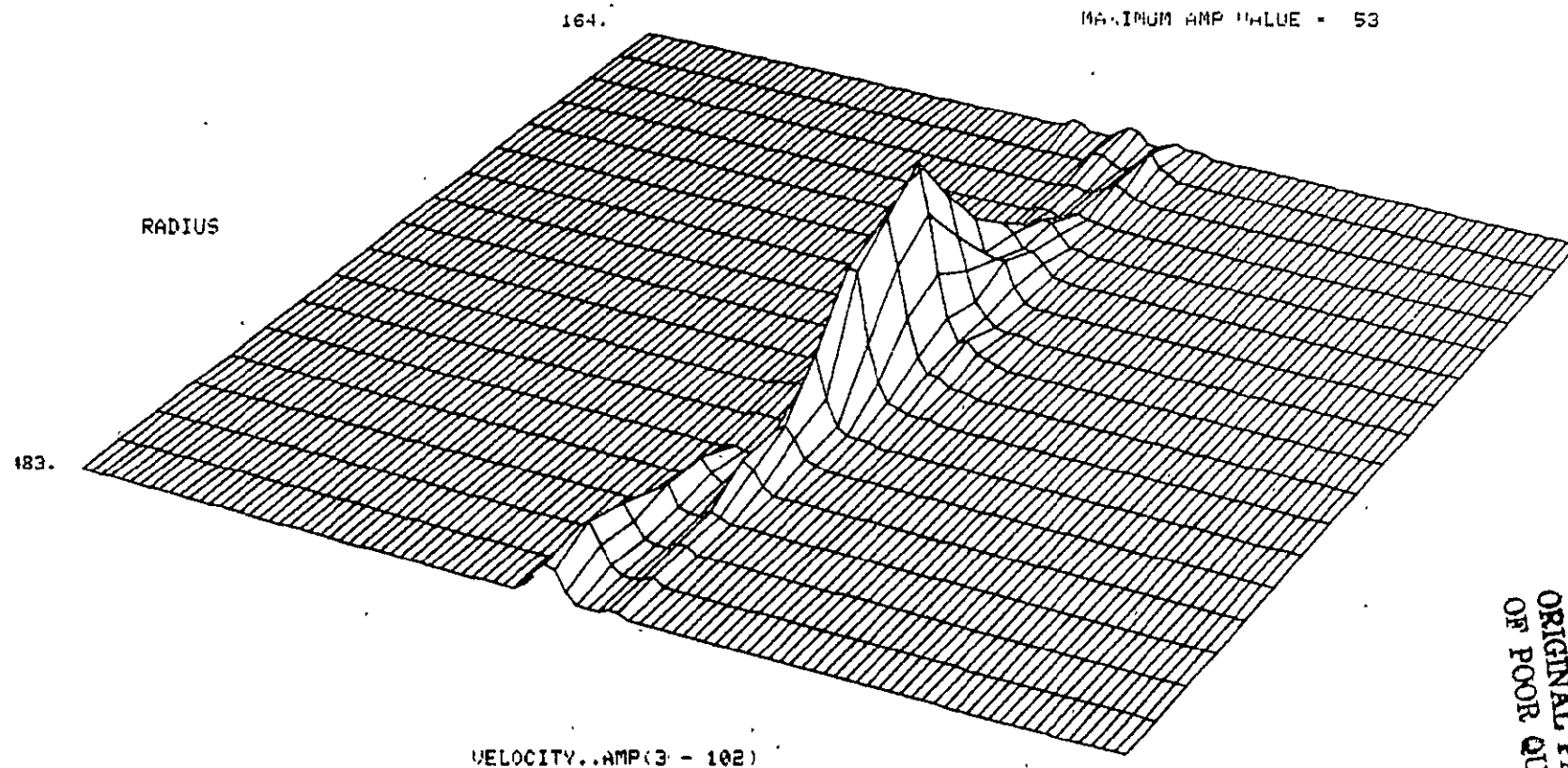
ANGLE  
 1 65.1  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.7  
 6 60.0  
 7 58.3  
 8 56.4  
 9 54.7  
 10 53.0  
 11 51.2  
 12 49.5  
 13 47.8  
 14 46.2  
 15 44.4  
 16 42.7  
 17 41.0  
 18 39.3  
 19 37.5  
 20 35.8  
 21 34.0  
 22 32.3  
 23 30.6  
 24 28.9  
 25 27.1  
 26 25.2  
 27 23.4  
 28 21.7  
 29 19.9  
 30 18.2  
 31 16.4  
 32 14.6  
 33 12.9  
 34 11.1  
 35 10.0



R  
 1 160.0  
 2 178.9  
 3 197.8  
 4 216.6  
 5 235.5  
 6 254.4  
 7 273.3  
 8 292.2  
 9 311.0  
 10 329.9  
 11 348.8  
 12 367.7  
 13 386.6  
 14 405.4  
 15 424.3  
 16 443.2  
 17 460.9

I, R, A DISPLAY AT VELOCITY CELL 62

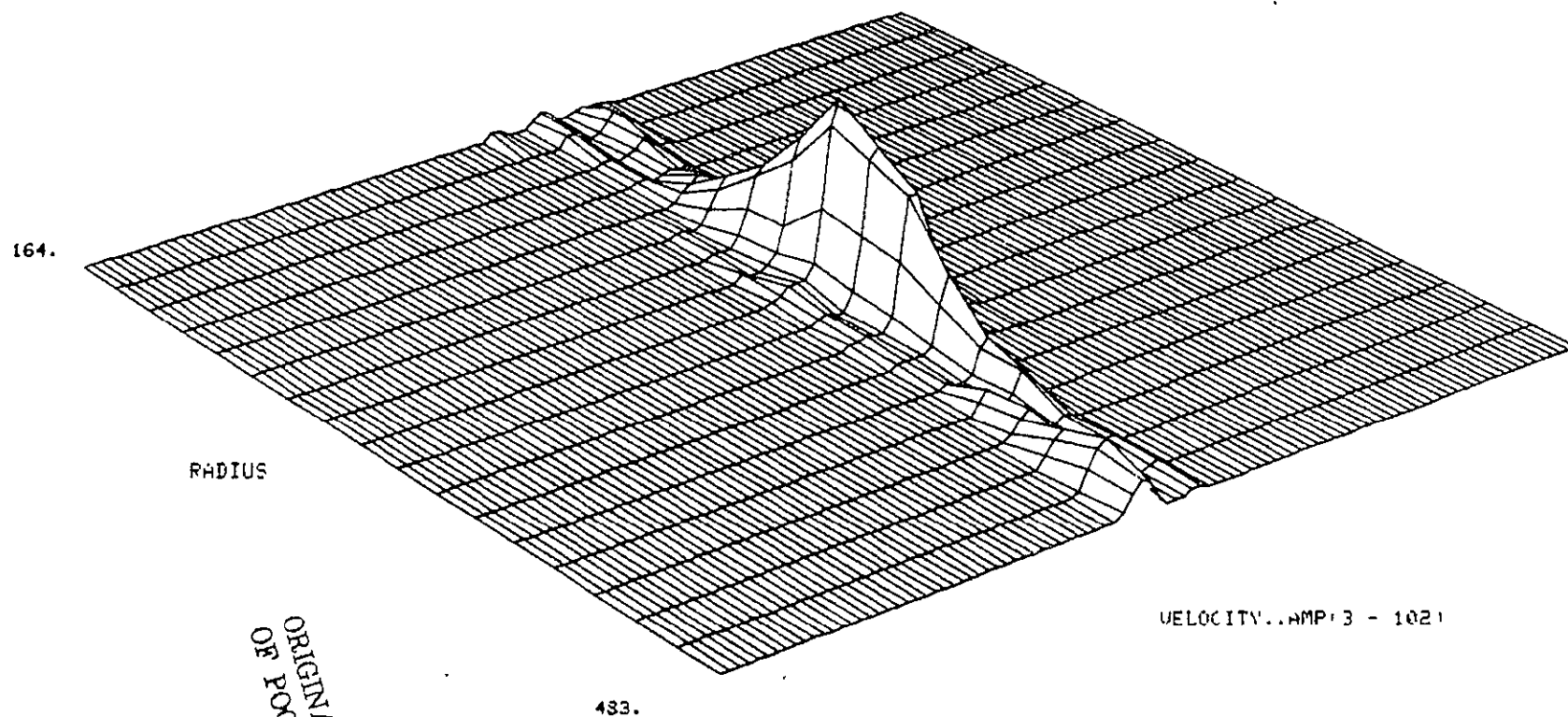
NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- E110  
 SCAN # 16 FRAME # 11481 ANGLE 85.140 TO FRAME # 12100 ANGLE 9.718 CRITICAL AMP AT CELL 62  
 FRAME # 11757 TO 11775  
 ANGLE = 40.96  
 MAXIMUM AMP VALUE = 53



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8

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 3- 2110  
SCAN # 16 FRAME # 11481 ANGLE 65.140 TO FRAME # 12100 ANGLE 9.713 CRITICAL AMP AT CELL 62  
FRAME # 11757 TO 11775  
ANGLE = 40.96  
MAXIMUM AMP VALUE = 53



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OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 233 PUL # 4 TAPE 1 OF 2- 8110  
 \* SCAN # 16 FRAME # 11481 ANGLE 65.140 TO FRAME # 12100 ANGLE 9.718 CRITICAL AMP AT CELL 62

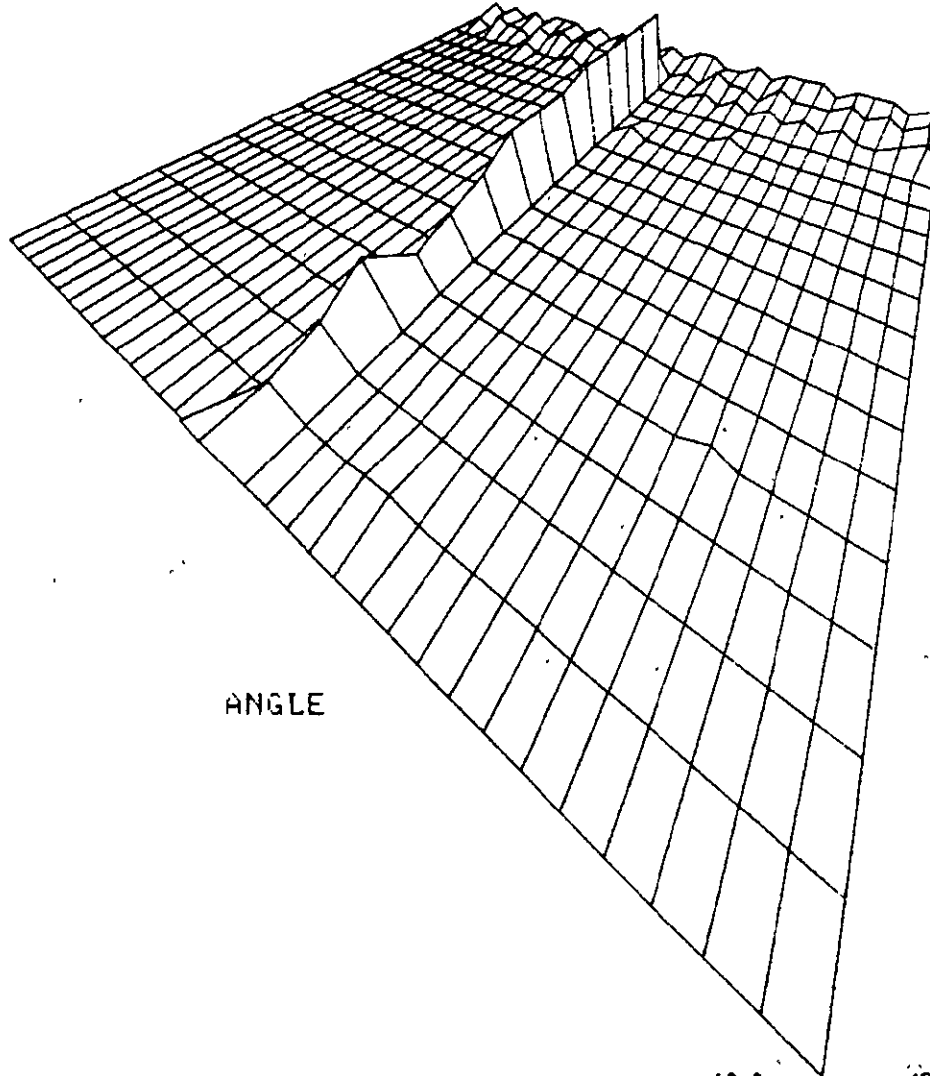
OPTION # 21-1

MAXIMUM U = 9.0

AVERAGE U = 1.4

ANGLE  
 1 65.1  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.7  
 6 60.0  
 7 58.3  
 8 56.4  
 9 54.7  
 10 53.0  
 11 51.2  
 12 49.5  
 13 47.8  
 14 46.2  
 15 44.4  
 16 42.7  
 17 41.0  
 18 39.3  
 19 37.5  
 20 35.8  
 21 34.0  
 22 32.3  
 23 30.6  
 24 28.9  
 25 27.1  
 26 25.2  
 27 23.4  
 28 21.7  
 29 19.9  
 30 18.2  
 31 16.4  
 32 14.6  
 33 12.9  
 34 11.1  
 35 10.0

65.1



160.0

R  
 1 160.0  
 2 178.9  
 3 197.8  
 4 216.6  
 5 235.5  
 6 254.4  
 7 273.3  
 8 292.2  
 9 311.0  
 10 329.9  
 11 348.8  
 12 367.7  
 13 386.6  
 14 405.4  
 15 424.3  
 16 443.2  
 17 460.9

P

ANGLE

10.0

480.9

U, R, A DISPLAY (VELOCITY AT I<sub>MAX</sub>)

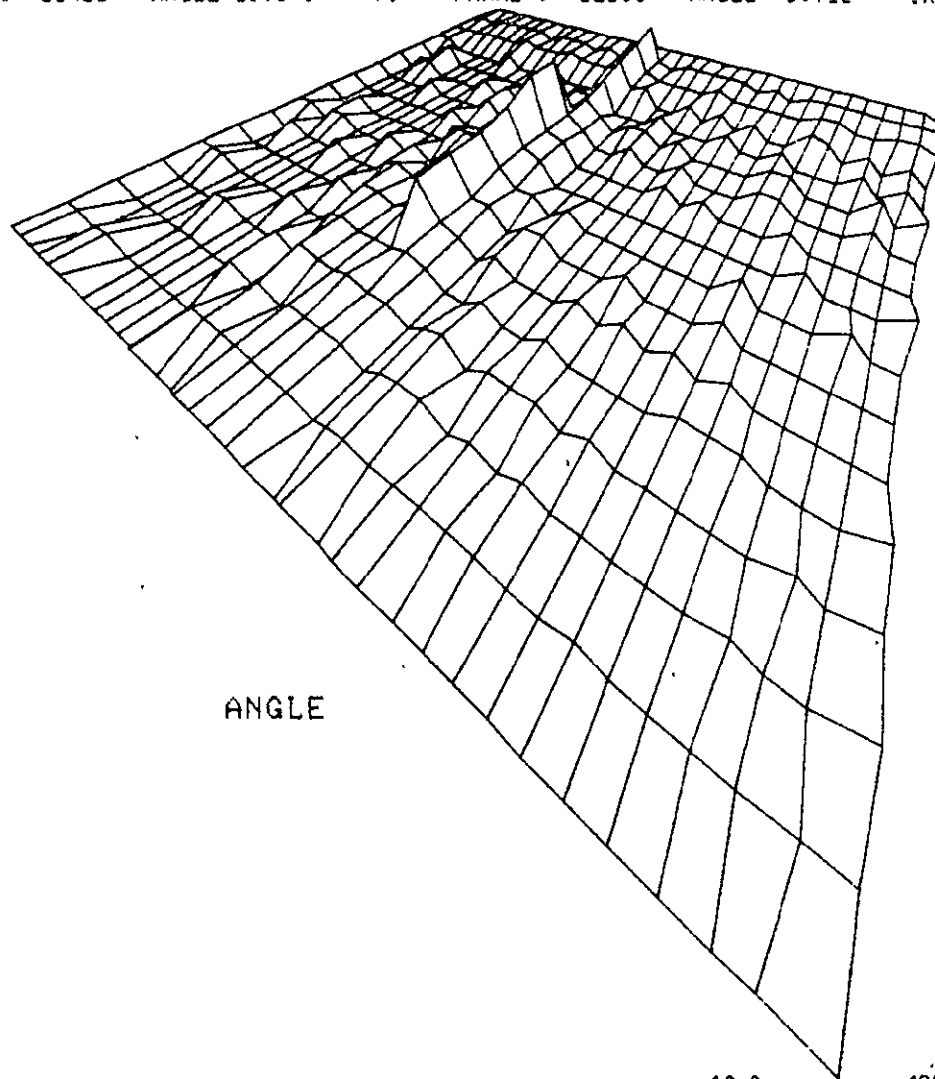
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 16 FRAME # 11481 ANGLE 65.140 TO FRAME # 12100 ANGLE 9.712 CRITICAL AMP AT CELL. 62  
 OPTION # 21-2

MAXIMUM U = 12.0  
 AVERAGE U = 2.3

ANGLE  
 1 65.1  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.7  
 6 60.0  
 7 58.3  
 8 56.4  
 9 54.7  
 10 53.0  
 11 51.2  
 12 49.5  
 13 47.8  
 14 46.2  
 15 44.4  
 16 42.7  
 17 41.0  
 18 39.3  
 19 37.5  
 20 35.8  
 21 34.0  
 22 32.3  
 23 30.6  
 24 28.9  
 25 27.1  
 26 25.2  
 27 23.4  
 28 21.7  
 29 19.9  
 30 18.2  
 31 16.4  
 32 14.6  
 33 12.9  
 34 11.1  
 35 10.0

65.1

ANGLE



160.0

R  
 1 160.0  
 2 178.9  
 3 197.8  
 4 216.6  
 5 235.5  
 6 254.4  
 7 273.3  
 8 292.2  
 9 311.0  
 10 329.9  
 11 348.8  
 12 367.7  
 13 386.6  
 14 405.4  
 15 424.3  
 16 443.2  
 17 460.9

R

10.0

460.9

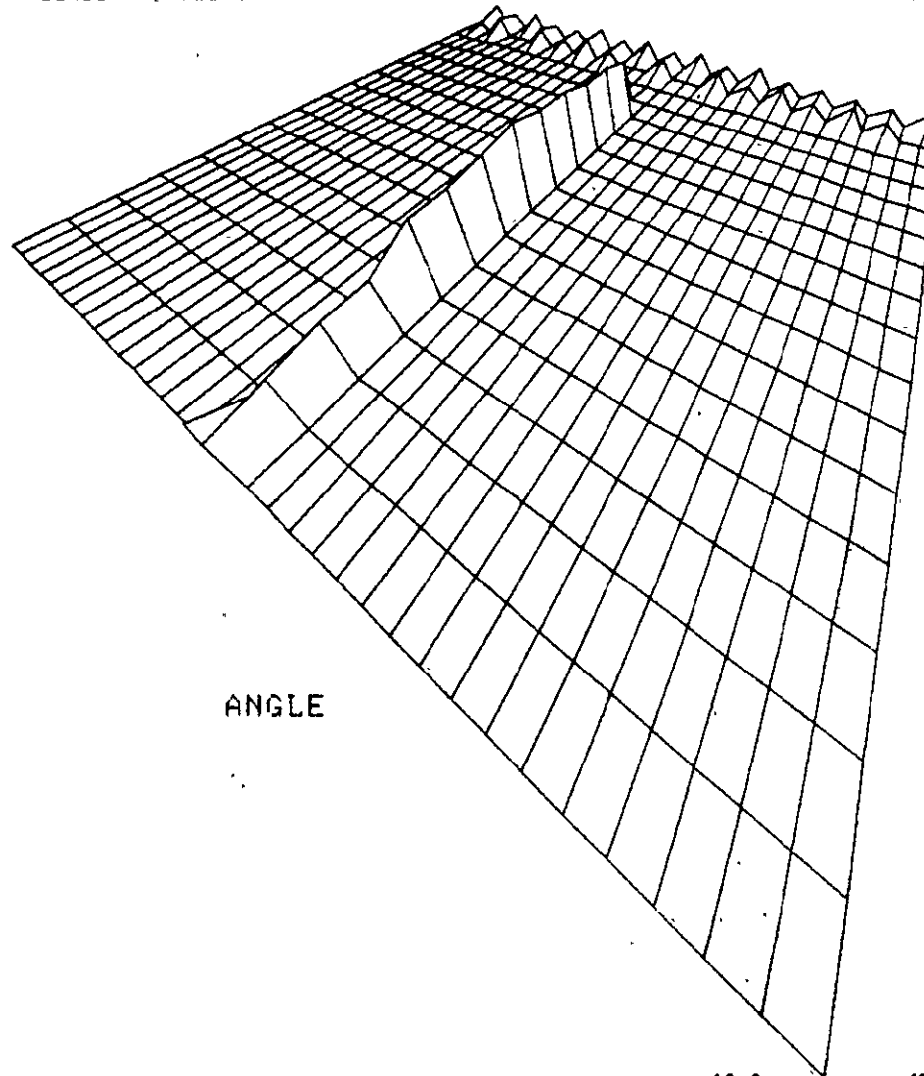
U, R, A DISPLAY (VELOCITY AT I MAX)

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 16 FRAME # 11481 ANGLE 65.140 TO FRAME # 12100 ANGLE 9.718 CRITICAL AMP AT CELL 62  
 OPTION # 22-1

MAXIMUM U = 12.0  
 AVERAGE U = 1.3

ANGLE  
 1 65.1  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.7  
 6 60.0  
 7 58.3  
 8 56.4  
 9 54.7  
 10 53.0  
 11 51.2  
 12 49.5  
 13 47.8  
 14 46.2  
 15 44.4  
 16 42.7  
 17 41.0  
 18 39.3  
 19 37.5  
 20 35.8  
 21 34.0  
 22 32.3  
 23 30.6  
 24 28.9  
 25 27.1  
 26 25.2  
 27 23.4  
 28 21.7  
 29 19.9  
 30 18.2  
 31 16.4  
 32 14.6  
 33 12.9  
 34 11.1  
 35 10.0

65.1



R  
 1 160.0  
 2 178.9  
 3 197.8  
 4 216.6  
 5 235.5  
 6 254.4  
 7 273.3  
 8 292.2  
 9 311.0  
 10 329.9  
 11 348.8  
 12 367.7  
 13 386.6  
 14 405.4  
 15 424.3  
 16 443.2  
 17 462.0

R

10.0

480.9

U MAX, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5



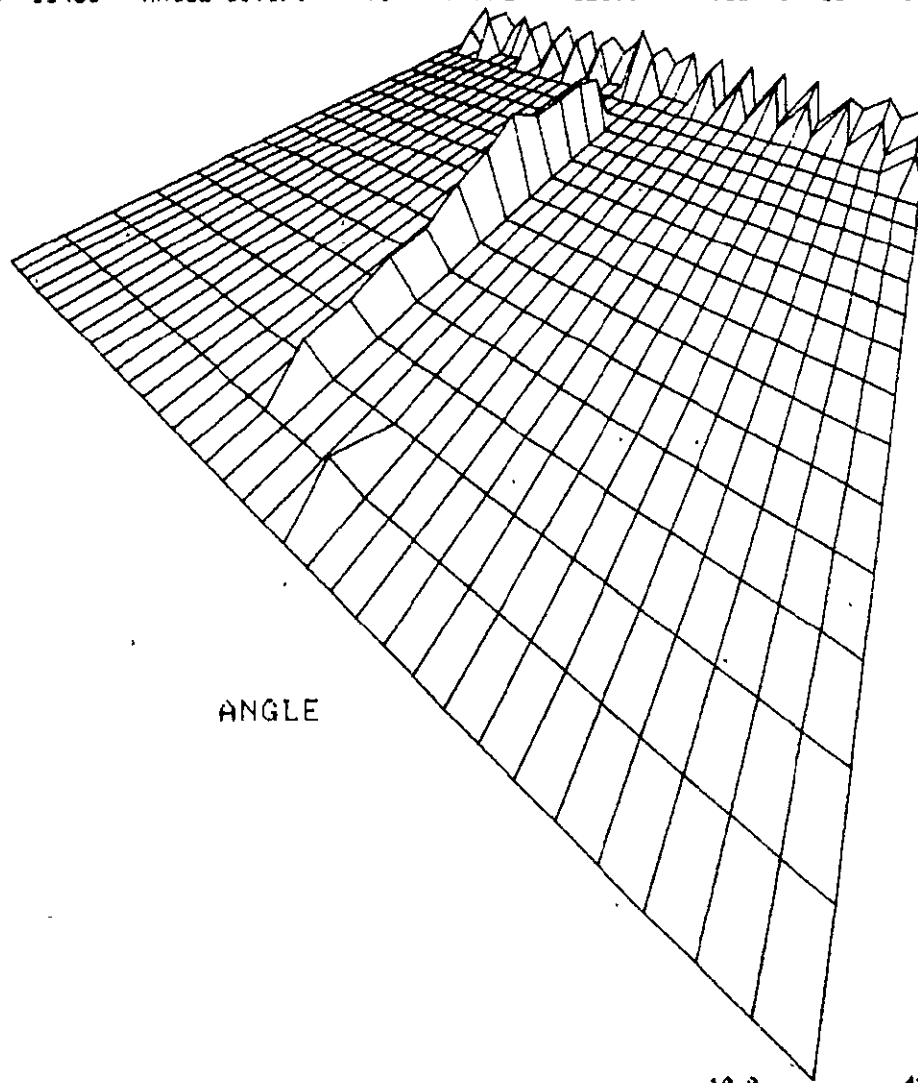
0-3

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110.  
 \* SCAN # 16 FRAME # 11481 - ANGLE 65.140 TO FRAME # 12100 ANGLE 9.712 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 10.0  
 AVERAGE U = 1.4

ANGLE  
 1 65.1  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.7  
 6 60.0  
 7 58.3  
 8 56.4  
 9 54.7  
 10 53.0  
 11 51.2  
 12 49.5  
 13 47.8  
 14 46.2  
 15 44.4  
 16 42.7  
 17 41.0  
 18 39.3  
 19 37.5  
 20 35.8  
 21 34.0  
 22 32.3  
 23 30.6  
 24 28.9  
 25 27.1  
 26 25.2  
 27 23.4  
 28 21.7  
 29 19.9  
 30 18.2  
 31 16.4  
 32 14.6  
 33 12.9  
 34 11.1  
 35 10.0

65.1



160.0

R

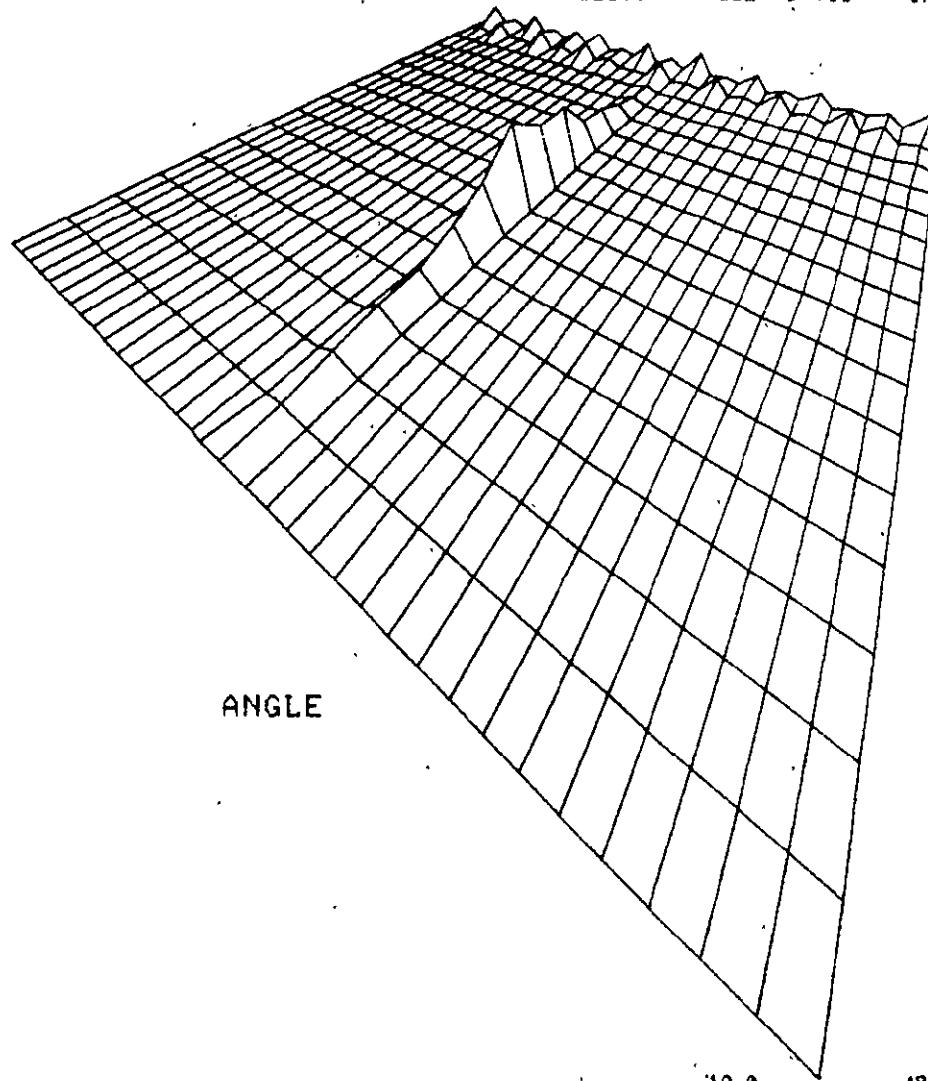
R  
 1 160.0  
 2 178.9  
 3 197.8  
 4 216.6  
 5 235.5  
 6 254.4  
 7 273.3  
 8 292.2  
 9 311.0  
 10 329.9  
 11 348.8  
 12 367.7  
 13 386.6  
 14 405.4  
 15 424.3  
 16 443.2  
 17 460.9

U MAX, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 208 FUN # 4 TAPE 1 OF 2- 2110  
 \* SCAN # 16 FRAME # 11481 ANGLE 65.140 TU FRAME # 12100 ANGLE 9.713 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 65.1  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.7  
 6 60.0  
 7 58.3  
 8 56.4  
 9 54.7  
 10 53.0  
 11 51.2  
 12 49.5  
 13 47.8  
 14 46.2  
 15 44.4  
 16 42.7  
 17 41.0  
 18 39.3  
 19 37.5  
 20 35.8  
 21 34.0  
 22 32.3  
 23 30.6  
 24 28.9  
 25 27.1  
 26 25.2  
 27 23.4  
 28 21.7  
 29 19.9  
 30 18.2  
 31 16.4  
 32 14.6  
 33 12.9  
 34 11.1  
 35 10.0

65.1



ANGLE

10.0

480.9

160.0

P  
 1 160.0  
 2 178.9  
 3 197.8  
 4 216.6  
 5 235.5  
 6 254.4  
 7 273.3  
 8 292.2  
 9 311.0  
 10 329.9  
 11 348.8  
 12 367.7  
 13 386.6  
 14 405.4  
 15 424.3  
 16 443.2  
 17 460.9

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U \* IMAX, R, A DISPLAY

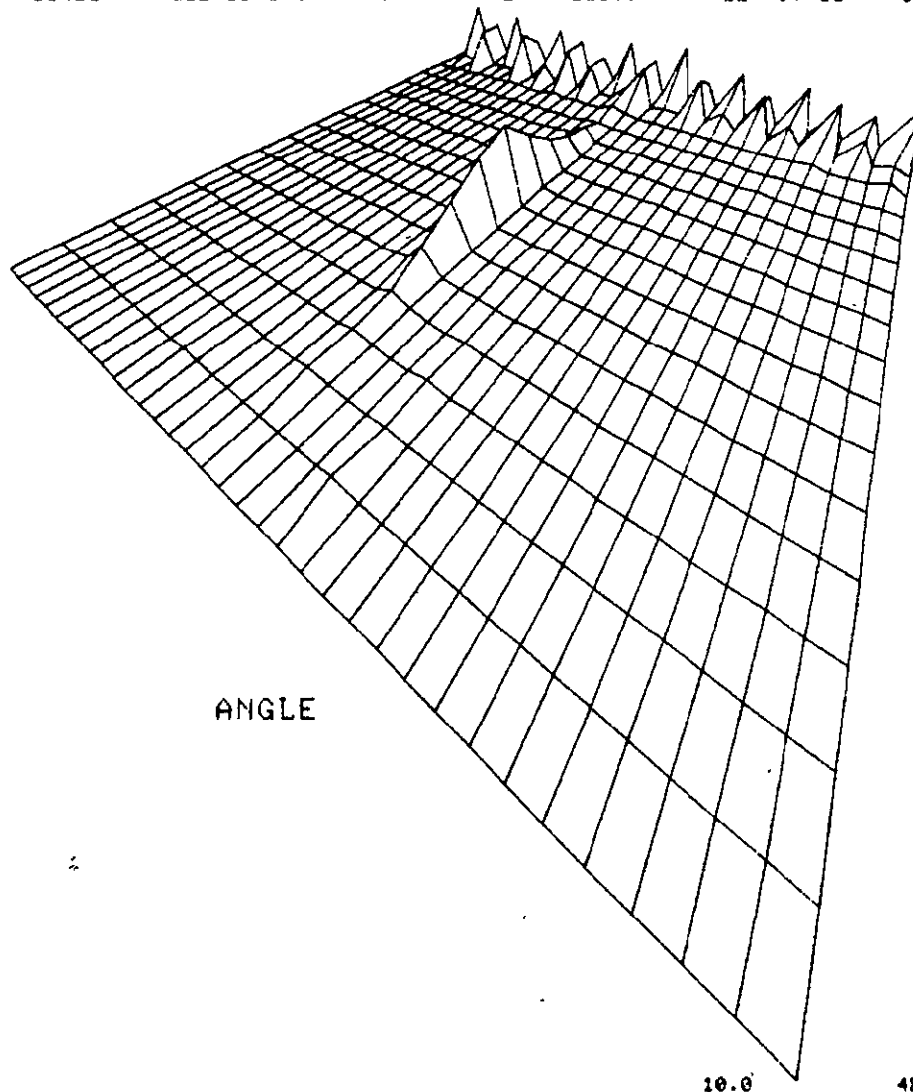
NASA PROJECT DUST DEVIL DAY 203 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 16 FRAME # 11481 ANGLE 65.140 TO FRAME # 12100 ANGLE 9.713 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 65.1  
 2 64.6  
 3 64.0  
 4 63.0  
 5 61.7  
 6 60.0  
 7 58.3  
 8 56.4  
 9 54.7  
 10 53.0  
 11 51.2  
 12 49.5  
 13 47.8  
 14 46.2  
 15 44.4  
 16 42.7  
 17 41.0  
 18 39.3  
 19 37.5  
 20 35.8  
 21 34.0  
 22 32.3  
 23 30.6  
 24 28.9  
 25 27.1  
 26 25.2  
 27 23.4  
 28 21.7  
 29 19.9  
 30 18.2  
 31 16.4  
 32 14.6  
 33 12.9  
 34 11.1  
 35 10.0

65.1

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ANGLE



160.0

R  
 1 160.0  
 2 178.9  
 3 197.9  
 4 216.6  
 5 235.5  
 6 254.4  
 7 273.3  
 8 292.2  
 9 311.0  
 10 329.9  
 11 348.8  
 12 367.7  
 13 386.6  
 14 405.4  
 15 424.3  
 16 443.2  
 17 460.9

12

10.0

480.9

U \* I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 8110  
 \* SCAN # 17 FRAME # 12100 ANGLE 9.718 TO FRAME # 12720 ANGLE 65.054 OPTICAL AMP AT CELL 62

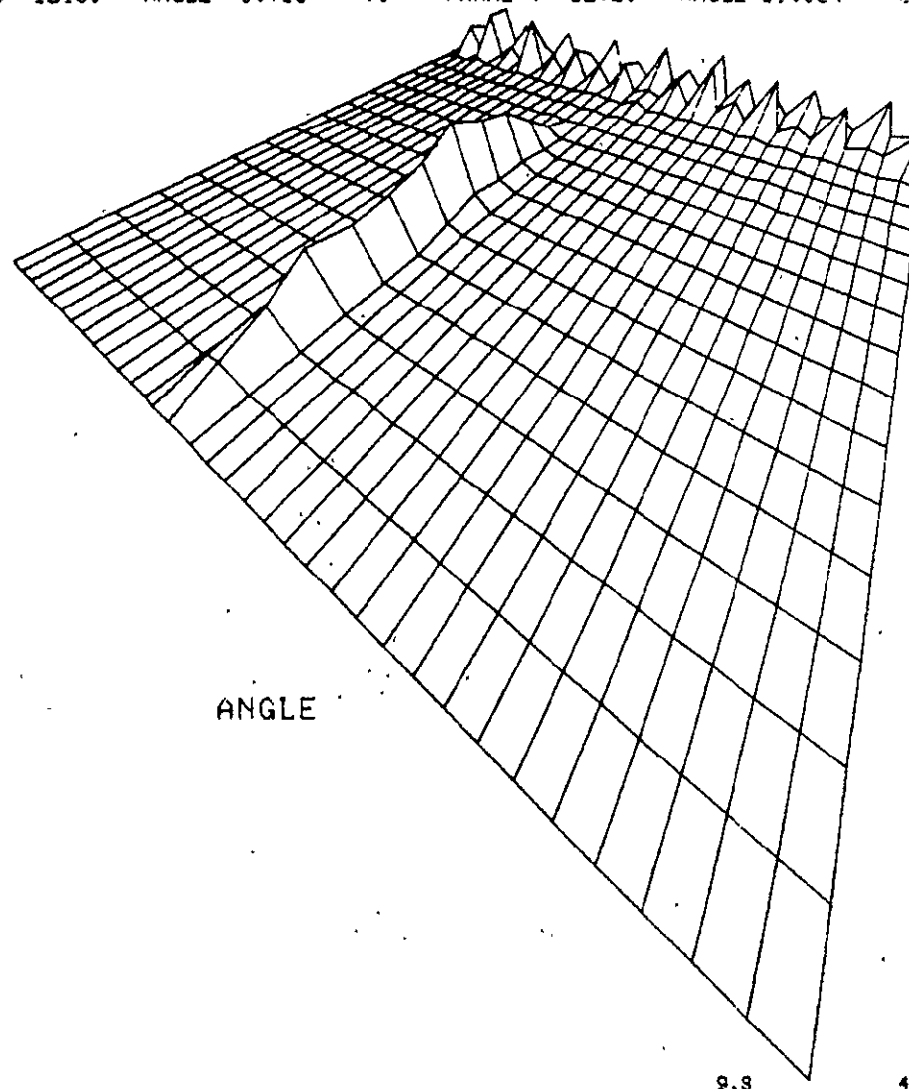
OPTION # 11-1

MAXIMUM I = 42.0

AVERAGE I = 1.8

ANGLE  
 1 9.8  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.6  
 7 16.2  
 8 18.0  
 9 19.8  
 10 21.5  
 11 23.2  
 12 25.0  
 13 26.8  
 14 28.5  
 15 30.3  
 16 32.0  
 17 33.8  
 18 35.5  
 19 37.3  
 20 39.0  
 21 40.7  
 22 42.4  
 23 44.1  
 24 45.8  
 25 47.5  
 26 49.1  
 27 50.8  
 28 52.6  
 29 54.4  
 30 56.1  
 31 57.8  
 32 59.6  
 33 61.5  
 34 63.3  
 35 64.4

64.4



159.3

P  
 1 159.3  
 2 178.2  
 3 197.2  
 4 216.1  
 5 235.0  
 6 253.9  
 7 272.8  
 8 291.7  
 9 310.7  
 10 329.6  
 11 348.5  
 12 367.4  
 13 386.3  
 14 405.2  
 15 424.2  
 16 443.1  
 17 460.9

R

9.8

480.9

I<sub>max</sub>, R, A DISPLAY

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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 2110  
 \* SCAN # 17 FRAME # 12100 ANGLE 9.718 TO FRAME # 12720 ANGLE 65.054 CRITICAL AMP AT CELL 62

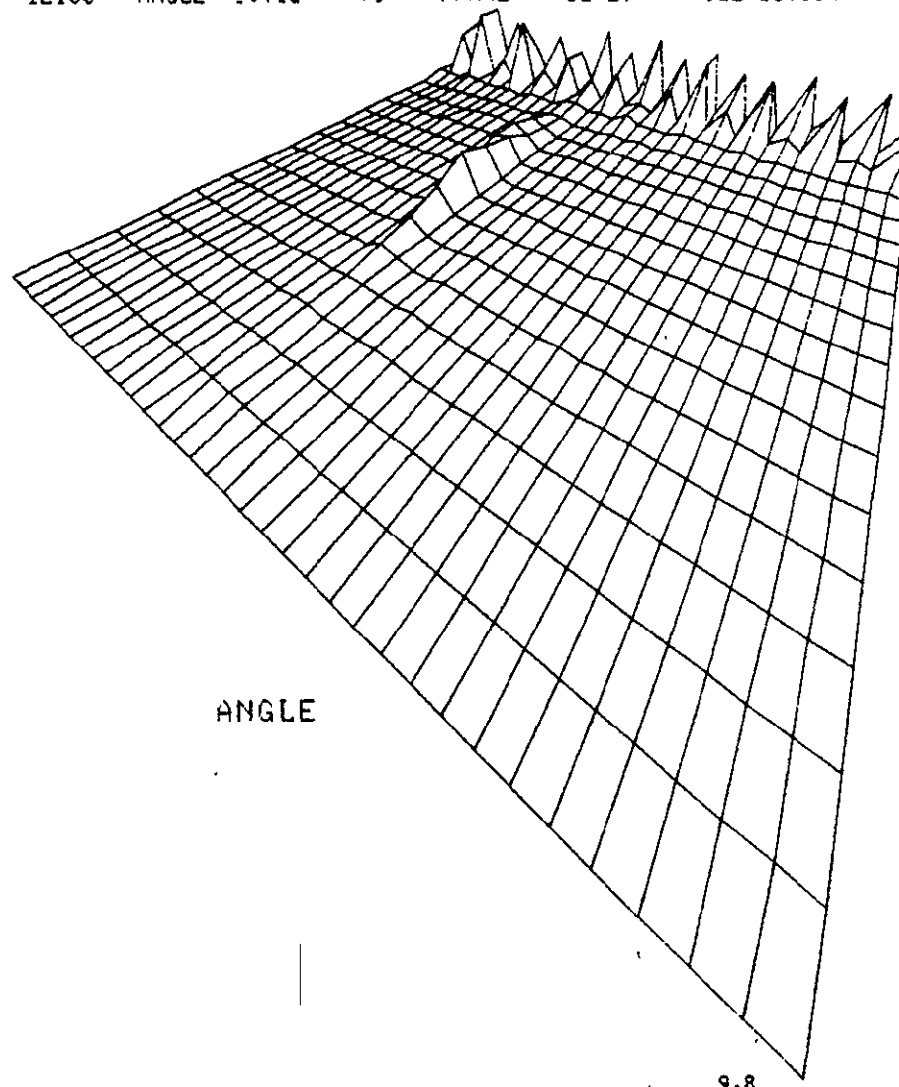
OPTION # 11-2

MAXIMUM I = 50.0

AVERAGE I = 3.1

ANGLE  
 1 9.8  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.6  
 7 16.2  
 8 18.0  
 9 19.8  
 10 21.5  
 11 23.2  
 12 25.0  
 13 26.8  
 14 28.5  
 15 30.3  
 16 32.0  
 17 33.8  
 18 35.5  
 19 37.3  
 20 39.0  
 21 40.7  
 22 42.4  
 23 44.1  
 24 45.8  
 25 47.5  
 26 49.1  
 27 50.8  
 28 52.6  
 29 54.4  
 30 56.1  
 31 57.8  
 32 59.6  
 33 61.5  
 34 63.3  
 35 64.4

64.4



ANGLE

9.8

480.9

159.3

R  
 1 159.3  
 2 178.2  
 3 197.2  
 4 216.1  
 5 235.0  
 6 253.9  
 7 272.8  
 8 291.7  
 9 310.7  
 10 329.6  
 11 348.5  
 12 367.4  
 13 386.3  
 14 405.2  
 15 424.0  
 16 443.1  
 17 460.9

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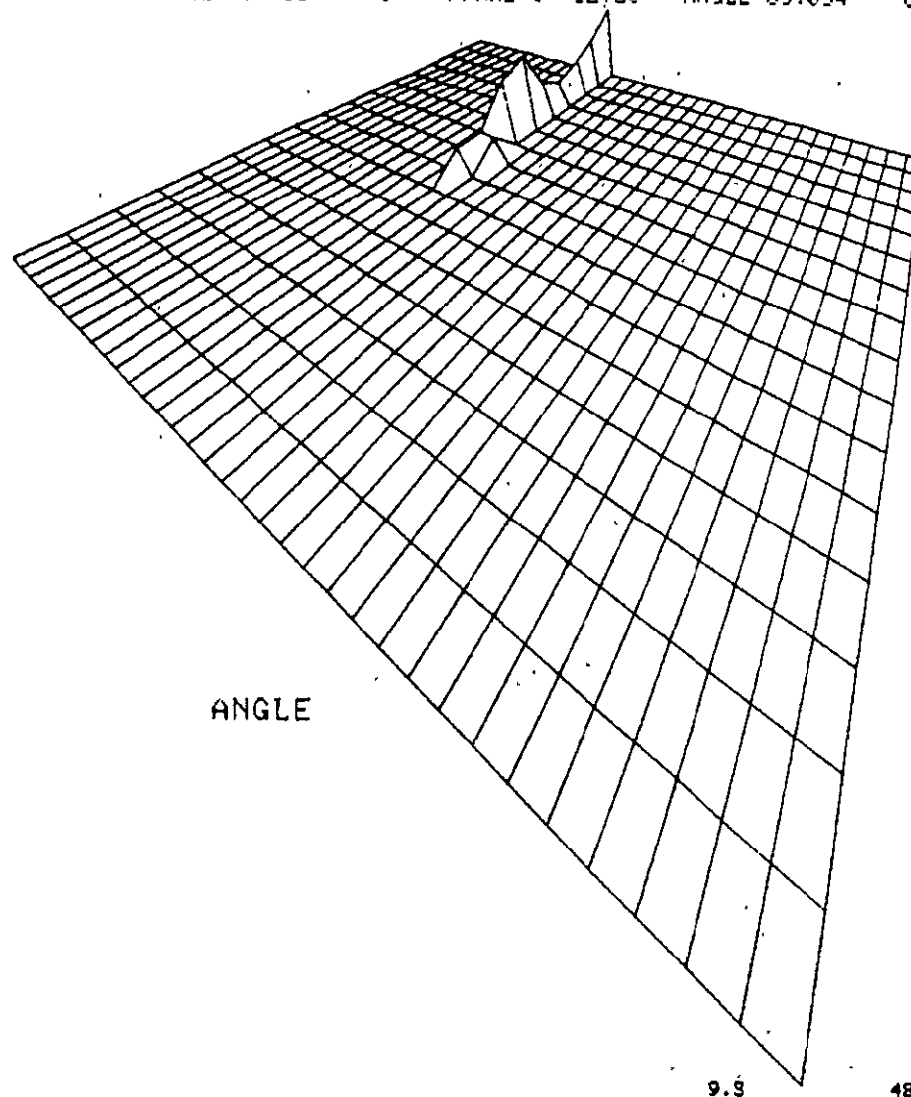
IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 17 FRAME # 12100 ANGLE 9.713 TO FRAME # 12720 ANGLE 65.054 CRITICAL AMP AT CELL 62  
 OPTION # 12-1

MAXIMUM I = 6.0  
 AVERAGE I = 0.1

ANGLE  
 1 9.8  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.6  
 7 16.2  
 8 18.0  
 9 19.8  
 10 21.5  
 11 23.2  
 12 25.0  
 13 26.8  
 14 28.5  
 15 30.3  
 16 32.0  
 17 33.8  
 18 35.5  
 19 37.3  
 20 39.0  
 21 40.7  
 22 42.4  
 23 44.1  
 24 45.8  
 25 47.5  
 26 49.1  
 27 50.8  
 28 52.6  
 29 54.4  
 30 56.1  
 31 57.8  
 32 59.6  
 33 61.5  
 34 63.3  
 35 64.4

64.4



159.3

R  
 1 159.3  
 2 178.2  
 3 197.2  
 4 216.1  
 5 235.0  
 6 253.9  
 7 272.8  
 8 291.7  
 9 310.7  
 10 329.6  
 11 348.5  
 12 367.4  
 13 386.3  
 14 405.2  
 15 424.2  
 16 443.1  
 17 462.0

0

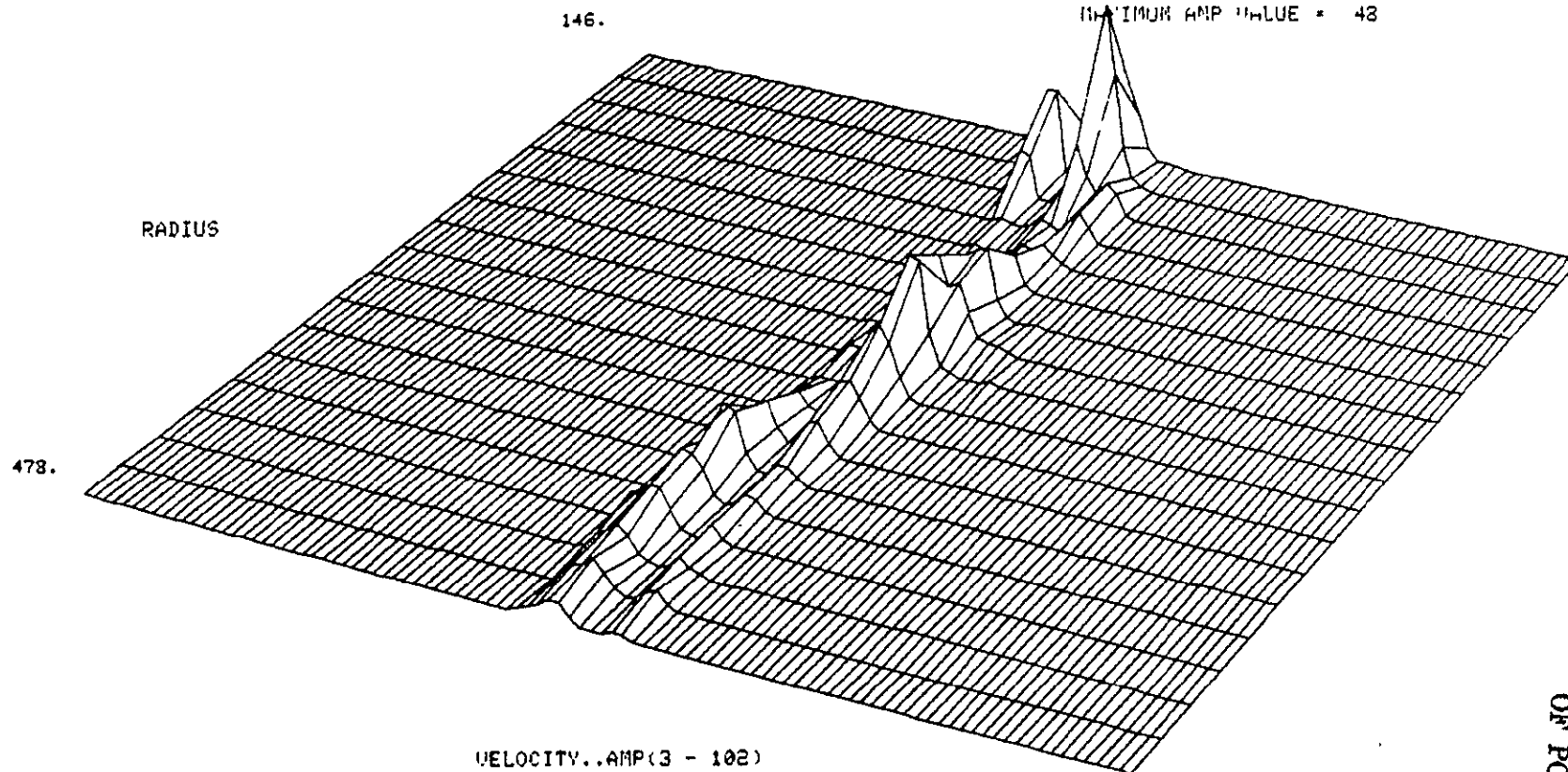
ANGLE

9.8

480.9

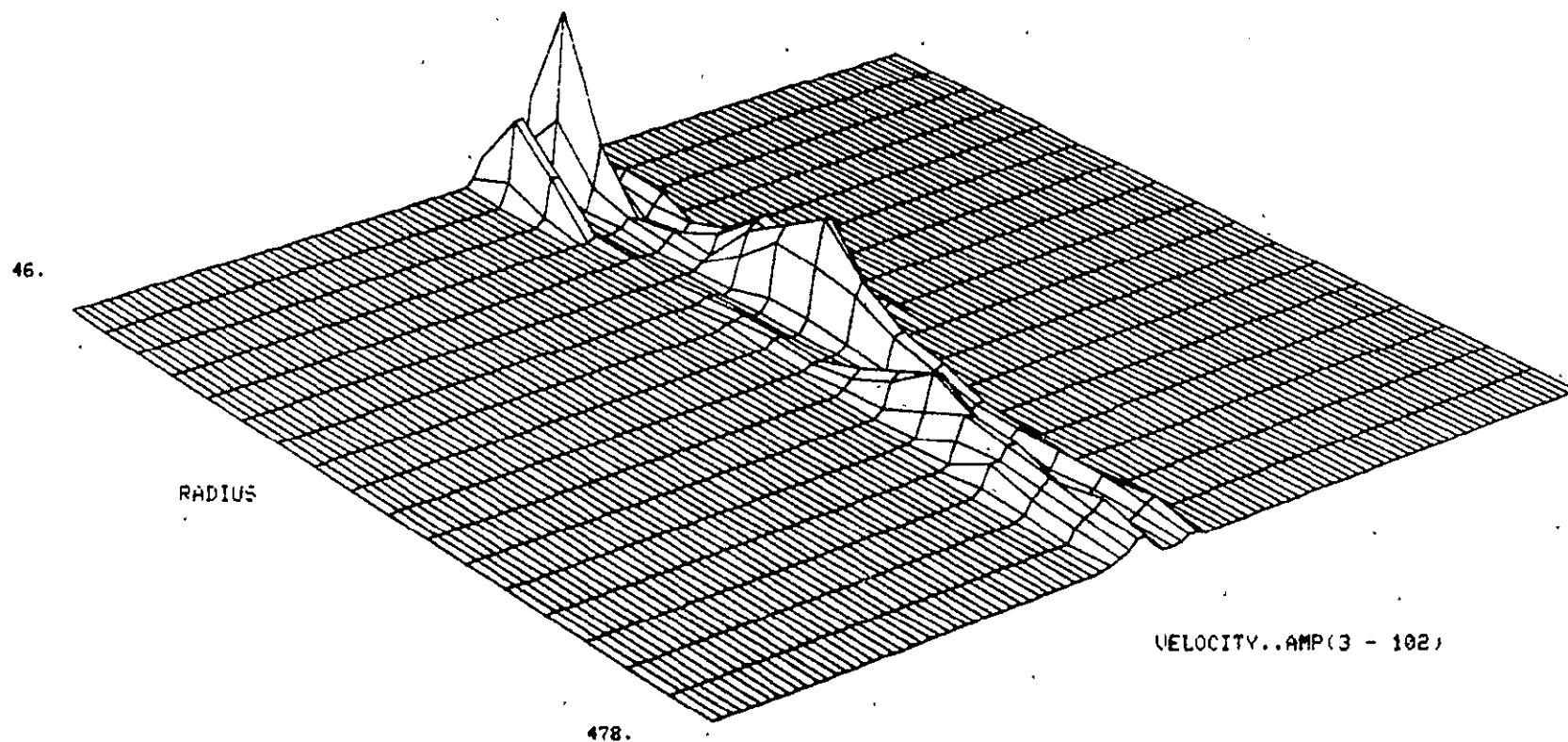
I, R, A DISPLAY AT VELOCITY CELL 62

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 17 FRAME # 12100 ANGLE 9.713 TO FRAME # 12720 ANGLE 65.054 CRITICAL AMP AT CELL 62  
 FRAME # 12467 TO 12485  
 ANGLE = 42.48  
 MAXIMUM AMP VALUE = 48



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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 17 FRAME # 12100 ANGLE 9.718 TO FRAME # 12720 ANGLE 65.054 CRITICAL AMP AT CELL 62  
 FRAME # 12467 TO 12485  
 ANGLE = 42.48  
 MAXIMUM AMP VALUE = 48



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 477

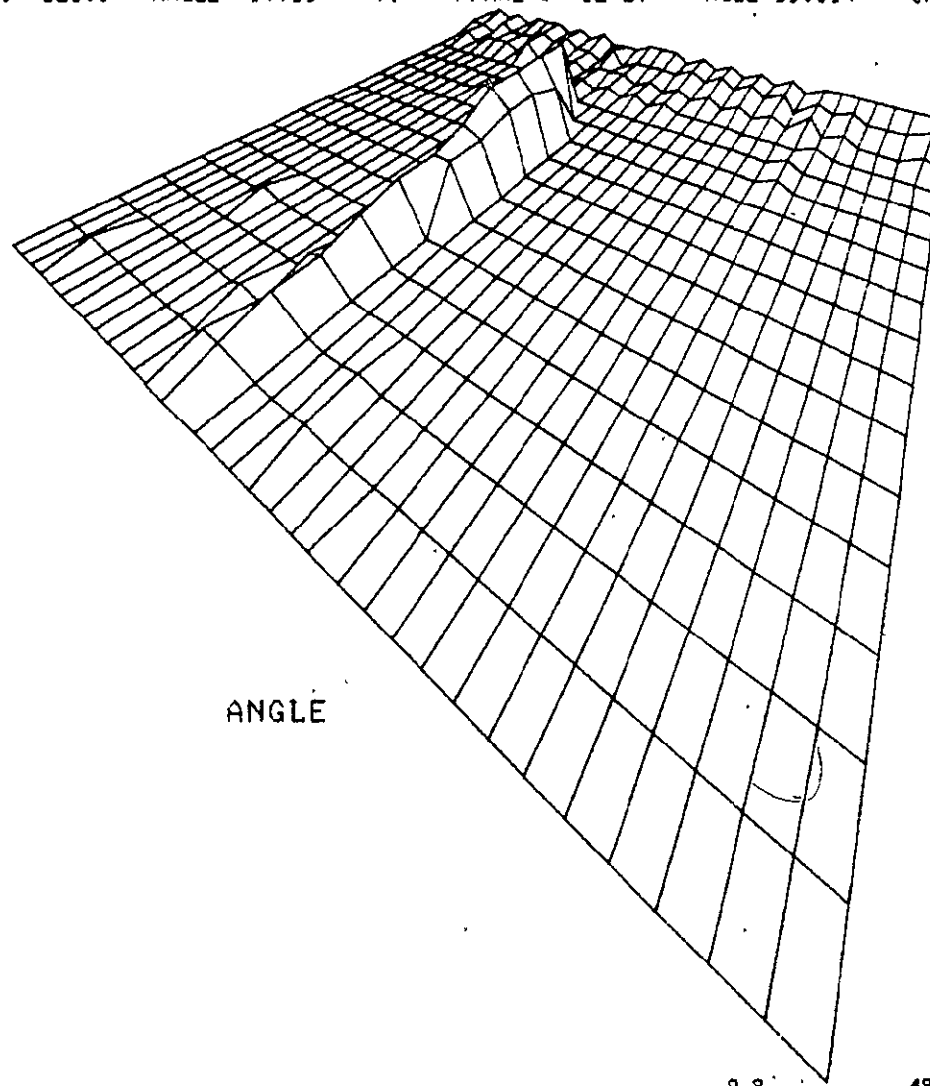


NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- E110  
 \* SCAN # 17 FRAME # 12100 ANGLE 9.718 TO FRAME # 12720 ANGLE 55.054 CRITICAL AMP AT CELL 62  
 OPTION # 21-1

MAXIMUM U = 10.0  
 AVERAGE U = 1.4

ANGLE  
 1 9.8  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.6  
 7 16.2  
 8 18.0  
 9 19.9  
 10 21.5  
 11 23.2  
 12 25.0  
 13 26.8  
 14 28.5  
 15 30.3  
 16 32.0  
 17 33.8  
 18 35.5  
 19 37.3  
 20 39.0  
 21 40.7  
 22 42.4  
 23 44.1  
 24 45.8  
 25 47.5  
 26 49.1  
 27 50.8  
 28 52.6  
 29 54.4  
 30 56.1  
 31 57.8  
 32 59.6  
 33 61.5  
 34 63.3  
 35 64.4

64.4



9.8

480.9

159.3

P  
 1 159.3  
 2 178.2  
 3 197.2  
 4 216.1  
 5 235.0  
 6 253.9  
 7 272.3  
 8 291.7  
 9 310.7  
 10 329.6  
 11 348.5  
 12 367.4  
 13 386.3  
 14 405.2  
 15 424.2  
 16 443.1  
 17 460.9

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 OF POOR QUALITY

U, R, A DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 17 FRAME # 12100 ANGLE 9.713 TO FRAME # 12720 ANGLE 65.054 CRITICAL AMP AT CELL 62

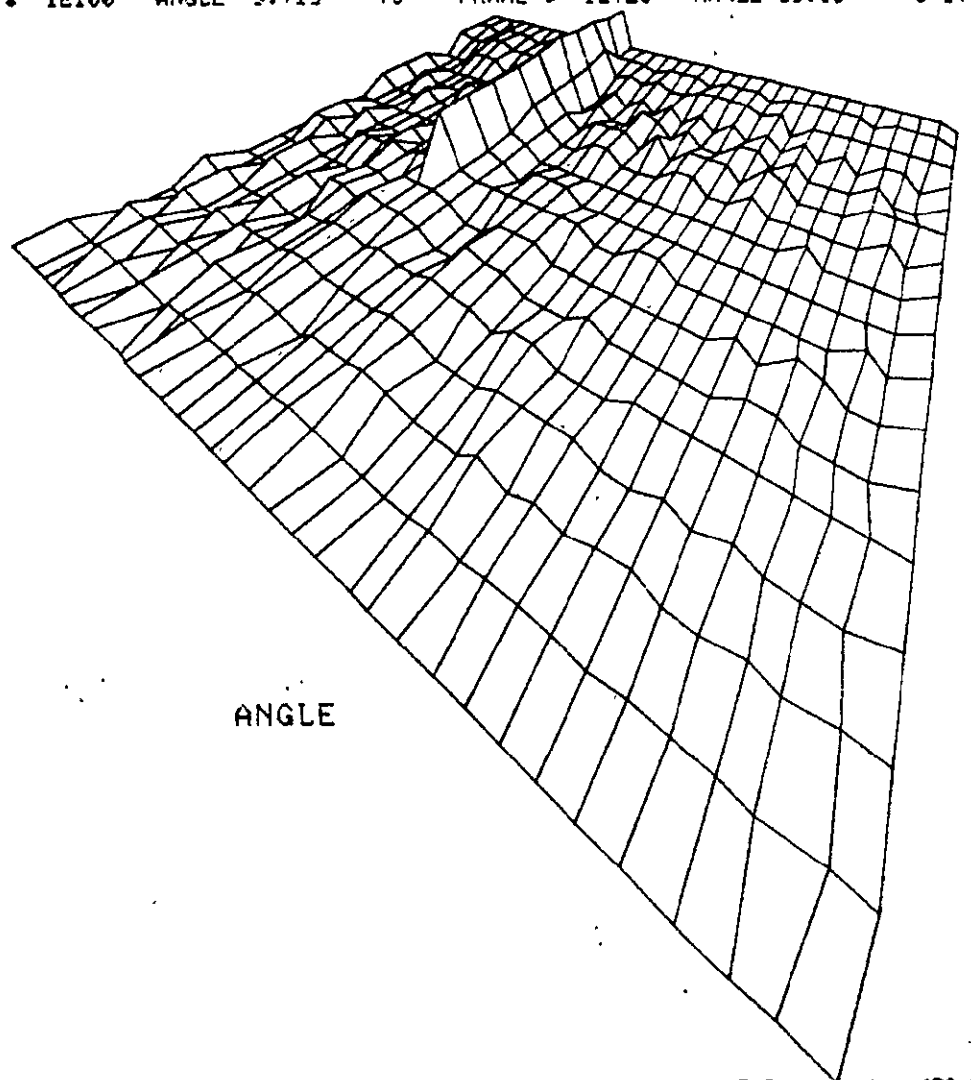
OPTION # 21-2

MAXIMUM U = 12.0

AVERAGE U = 2.6

ANGLE  
 1 9.8  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.6  
 7 16.2  
 8 18.0  
 9 19.8  
 10 21.5  
 11 23.2  
 12 25.0  
 13 26.8  
 14 28.5  
 15 30.3  
 16 32.0  
 17 33.3  
 18 35.5  
 19 37.3  
 20 39.0  
 21 40.7  
 22 42.4  
 23 44.1  
 24 45.8  
 25 47.5  
 26 49.1  
 27 50.8  
 28 52.6  
 29 54.4  
 30 56.1  
 31 57.8  
 32 59.6  
 33 61.5  
 34 63.3  
 35 64.4

64.4



159.3

R

R  
 1 159.3  
 2 178.2  
 3 197.2  
 4 216.1  
 5 235.0  
 6 253.9  
 7 272.8  
 8 291.7  
 9 310.7  
 10 329.6  
 11 348.5  
 12 367.4  
 13 386.3  
 14 405.2  
 15 424.2  
 16 443.1  
 17 460.9

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U, R, A DISPLAY (VELOCITY AT I MAX)

9.8

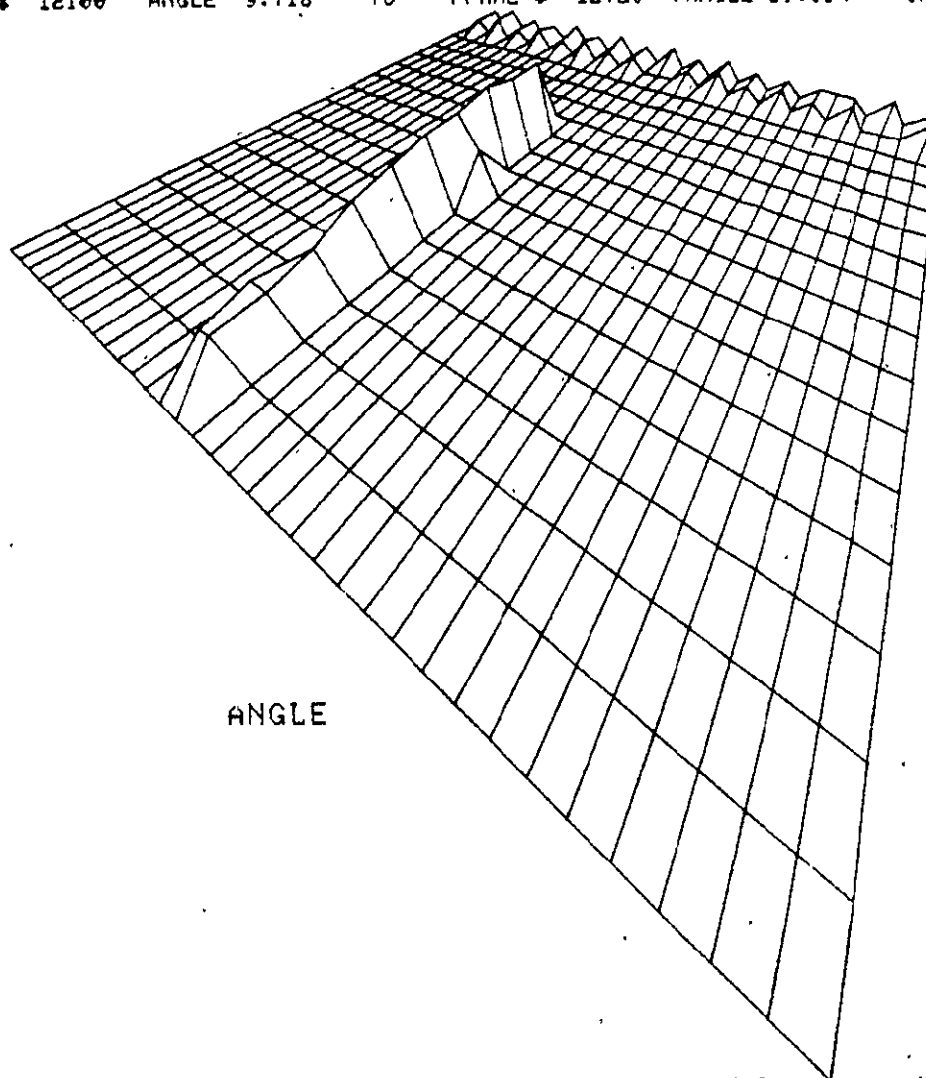
480.9

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 17 FRAME # 12100 ANGLE 9.718 TO FRAME # 12720 ANGLE 65.054 CRITICAL AMP AT CELL 62  
 OPTION # 22-1

MAXIMUM U = 12.0  
 AVERAGE U = 1.3

ANGLE  
 1 9.8  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.8  
 7 16.2  
 8 18.0  
 9 19.8  
 10 21.5  
 11 23.2  
 12 25.0  
 13 26.3  
 14 28.5  
 15 30.3  
 16 32.0  
 17 33.8  
 18 35.5  
 19 37.3  
 20 39.0  
 21 40.7  
 22 42.4  
 23 44.1  
 24 45.8  
 25 47.5  
 26 49.1  
 27 50.8  
 28 52.6  
 29 54.4  
 30 56.1  
 31 57.8  
 32 59.6  
 33 61.5  
 34 63.3  
 35 64.4

64.4



9.8

480.9

159.3

R

R  
 1 159.3  
 2 178.2  
 3 197.2  
 4 216.1  
 5 235.0  
 6 253.9  
 7 272.8  
 8 291.7  
 9 310.7  
 10 329.6  
 11 348.5  
 12 367.4  
 13 386.3  
 14 405.2  
 15 424.2  
 16 443.1  
 17 462.9

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 OF POOR QUALITY

Umax, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 2110  
 \* SCAN # 17 FRAME # 12100 ANGLE 9.71E TO FRAME # 12720 ANGLE 65.054 CRITICAL AMP AT CELL 62

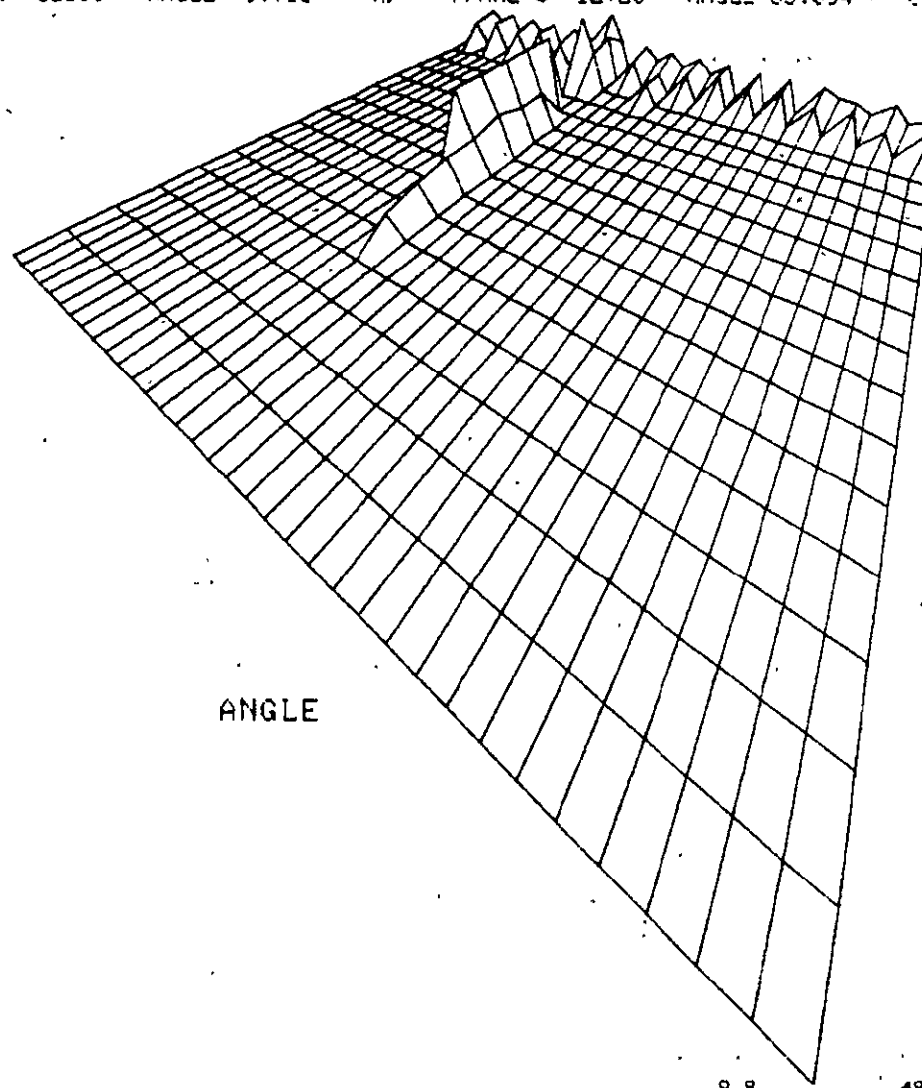
OPTION # 22-2

MAXIMUM U = 12.0

AVERAGE U = 1.5

ANGLE  
 1 9.8  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.6  
 7 16.2  
 8 18.0  
 9 19.8  
 10 21.5  
 11 23.2  
 12 25.0  
 13 26.8  
 14 28.5  
 15 30.3  
 16 32.0  
 17 33.8  
 18 35.5  
 19 37.3  
 20 39.0  
 21 40.7  
 22 42.4  
 23 44.1  
 24 45.8  
 25 47.5  
 26 49.1  
 27 50.8  
 28 52.6  
 29 54.4  
 30 56.1  
 31 57.8  
 32 59.6  
 33 61.5  
 34 63.3  
 35 64.4

64.4



159.3

U

R  
 1 159.3  
 2 178.2  
 3 197.2  
 4 216.1  
 5 235.0  
 6 253.9  
 7 272.3  
 8 291.7  
 9 310.7  
 10 329.6  
 11 348.5  
 12 367.4  
 13 386.3  
 14 405.2  
 15 424.2  
 16 443.1  
 17 460.9

9.8

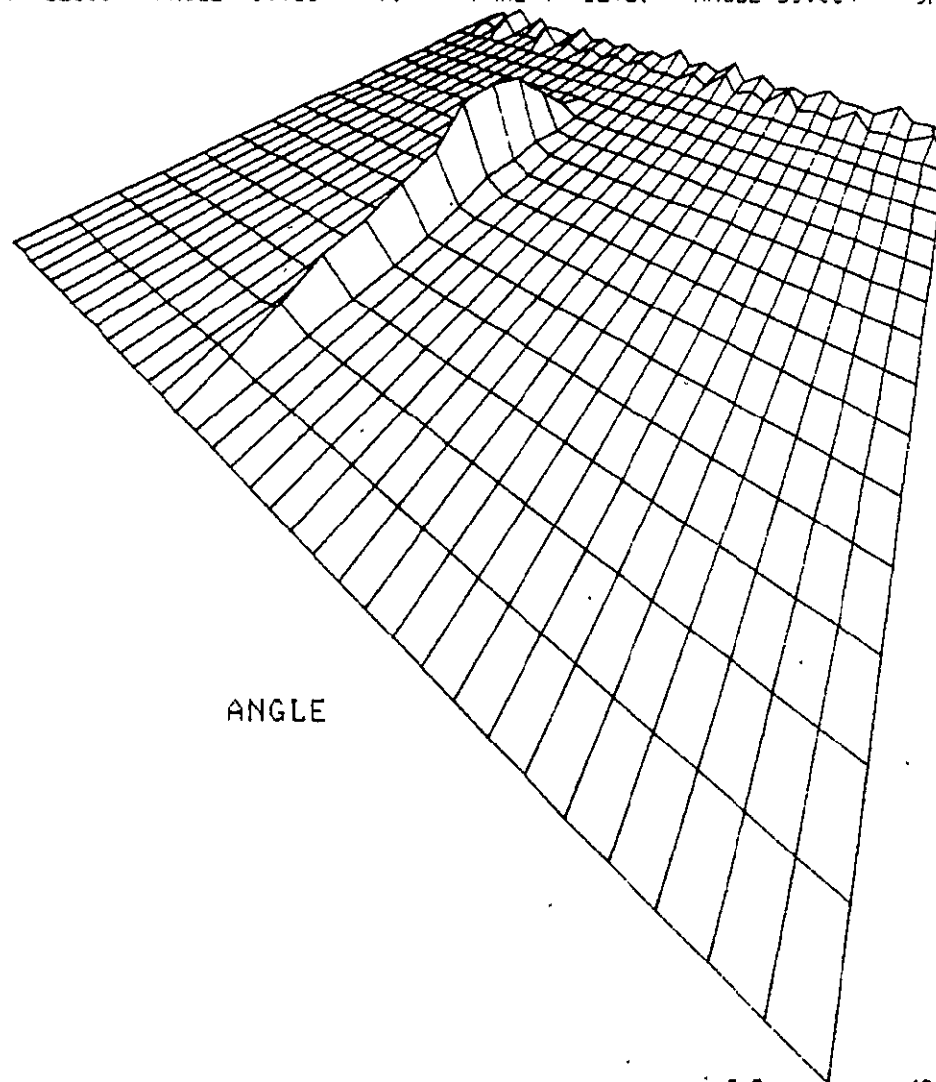
480.9

Umax, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- E110  
 \* SCAN # 17 FRAME # 12100 ANGLE 9.713 TO FRAME # 12720 ANGLE 65.054 OPTICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 9.8  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.6  
 7 16.2  
 8 18.0  
 9 19.8  
 10 21.5  
 11 23.2  
 12 25.0  
 13 26.8  
 14 28.5  
 15 30.3  
 16 32.0  
 17 33.8  
 18 35.5  
 19 37.3  
 20 39.0  
 21 40.7  
 22 42.4  
 23 44.1  
 24 45.8  
 25 47.5  
 26 49.1  
 27 50.8  
 28 52.6  
 29 54.4  
 30 56.1  
 31 57.8  
 32 59.6  
 33 61.5  
 34 63.3  
 35 64.4

64.4



159.3

R  
 1 159.3  
 2 178.2  
 3 197.2  
 4 216.1  
 5 235.0  
 6 253.9  
 7 272.8  
 8 291.7  
 9 310.7  
 10 329.6  
 11 348.5  
 12 367.4  
 13 386.3  
 14 405.2  
 15 424.2  
 16 443.1  
 17 460.9

R

ANGLE

9.8

480.9

U # IMAX, R, A DISPLAY

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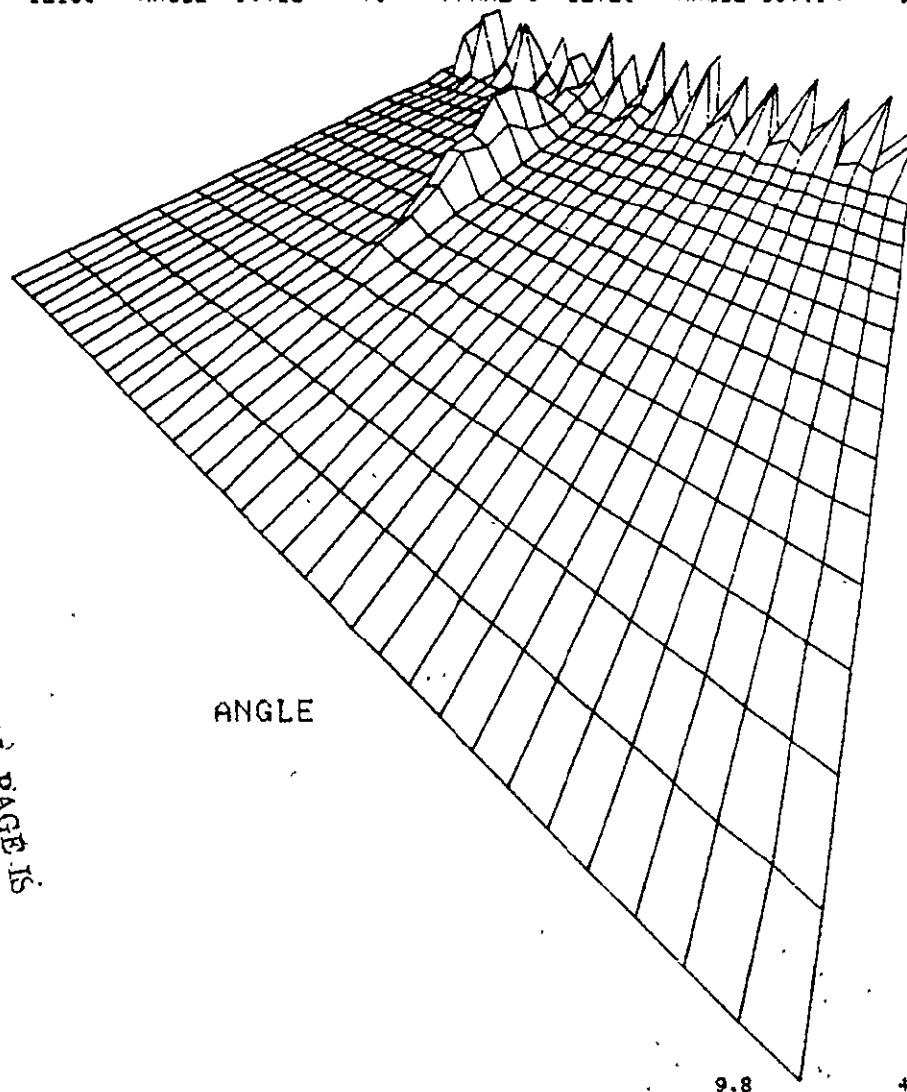
NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 17 FRAME # 12100 ANGLE 9.712 TO FRAME # 12720 ANGLE 65.054 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 9.8  
 2 9.9  
 3 10.5  
 4 11.5  
 5 12.9  
 6 14.6  
 7 16.2  
 8 18.0  
 9 19.8  
 10 21.5  
 11 23.2  
 12 25.0  
 13 26.8  
 14 28.5  
 15 30.3  
 16 32.0  
 17 33.8  
 18 35.5  
 19 37.3  
 20 39.0  
 21 40.7  
 22 42.4  
 23 44.1  
 24 45.8  
 25 47.5  
 26 49.1  
 27 50.8  
 28 52.6  
 29 54.4  
 30 56.1  
 31 57.8  
 32 59.6  
 33 61.5  
 34 63.3  
 35 64.4

64.4

ORIGINAL PAGE IS  
 OF POOR QUALITY

ANGLE



159.3

R  
 1 159.3  
 2 178.2  
 3 197.2  
 4 216.1  
 5 235.0  
 6 253.9  
 7 272.8  
 8 291.7  
 9 310.7  
 10 329.6  
 11 348.5  
 12 367.4  
 13 386.3  
 14 405.2  
 15 424.2  
 16 443.1  
 17 460.9

R

9.8

480.9

\* I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 18 FRAME # 12720 ANGLE 65.054 TO FRAME # 13360 ANGLE 9.570 CRITICAL AMP AT CELL 62

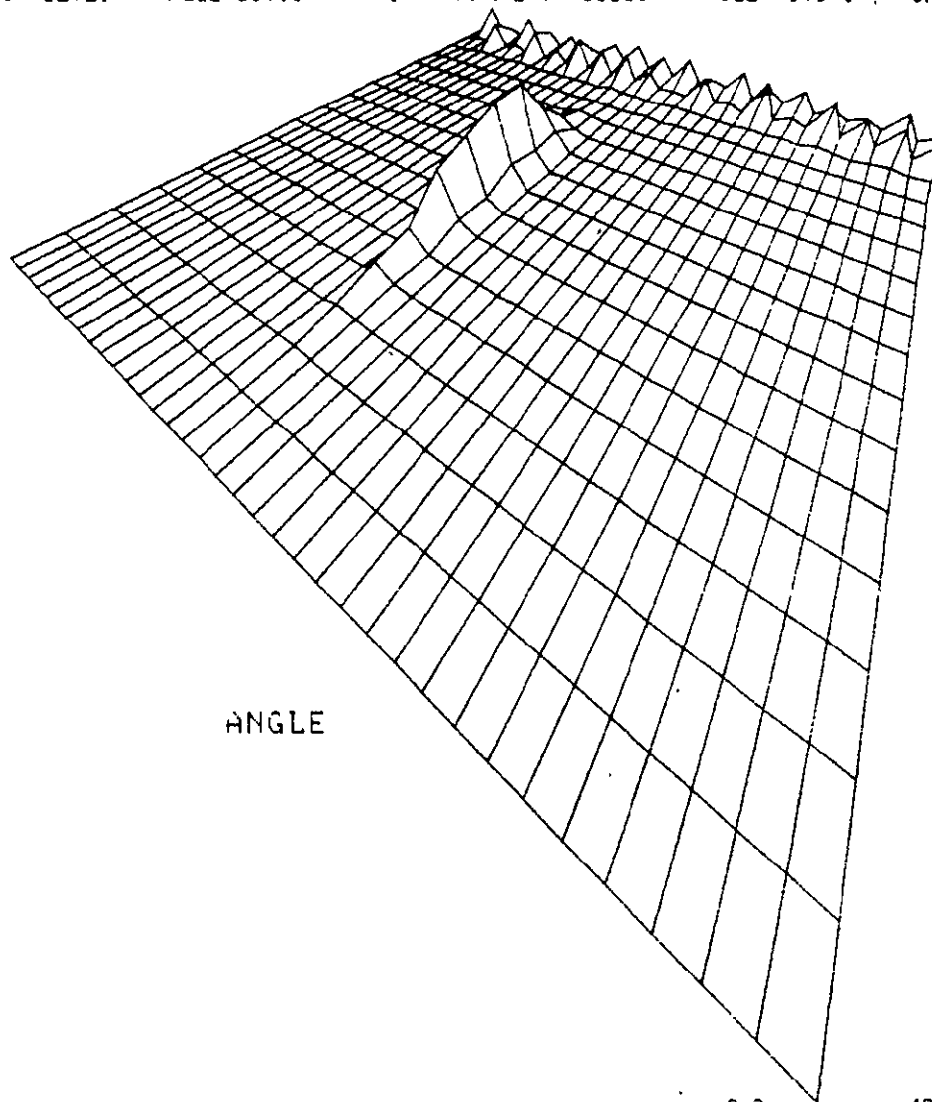
OPTION # 11-1

MAXIMUM I = 62.0

AVERAGE I = 1.7

ANGLE  
 1 65.0  
 2 64.8  
 3 64.2  
 4 63.2  
 5 62.0  
 6 60.4  
 7 58.7  
 8 56.8  
 9 55.1  
 10 53.4  
 11 51.6  
 12 49.9  
 13 48.2  
 14 46.5  
 15 44.8  
 16 43.1  
 17 41.4  
 18 39.7  
 19 37.9  
 20 36.2  
 21 34.4  
 22 32.7  
 23 31.0  
 24 29.2  
 25 27.5  
 26 25.7  
 27 23.9  
 28 22.2  
 29 20.4  
 30 18.6  
 31 16.8  
 32 15.0  
 33 13.3  
 34 11.5  
 35 10.1  
 36 9.8

65.0



159.1

R  
 1 159.1  
 2 178.2  
 3 197.3  
 4 216.4  
 5 235.5  
 6 254.6  
 7 272.7  
 8 292.7  
 9 311.8  
 10 330.9  
 11 350.0  
 12 369.1  
 13 388.2  
 14 407.3  
 15 426.4  
 16 445.5  
 17 463.7

Q

ANGLE

9.8

483.7

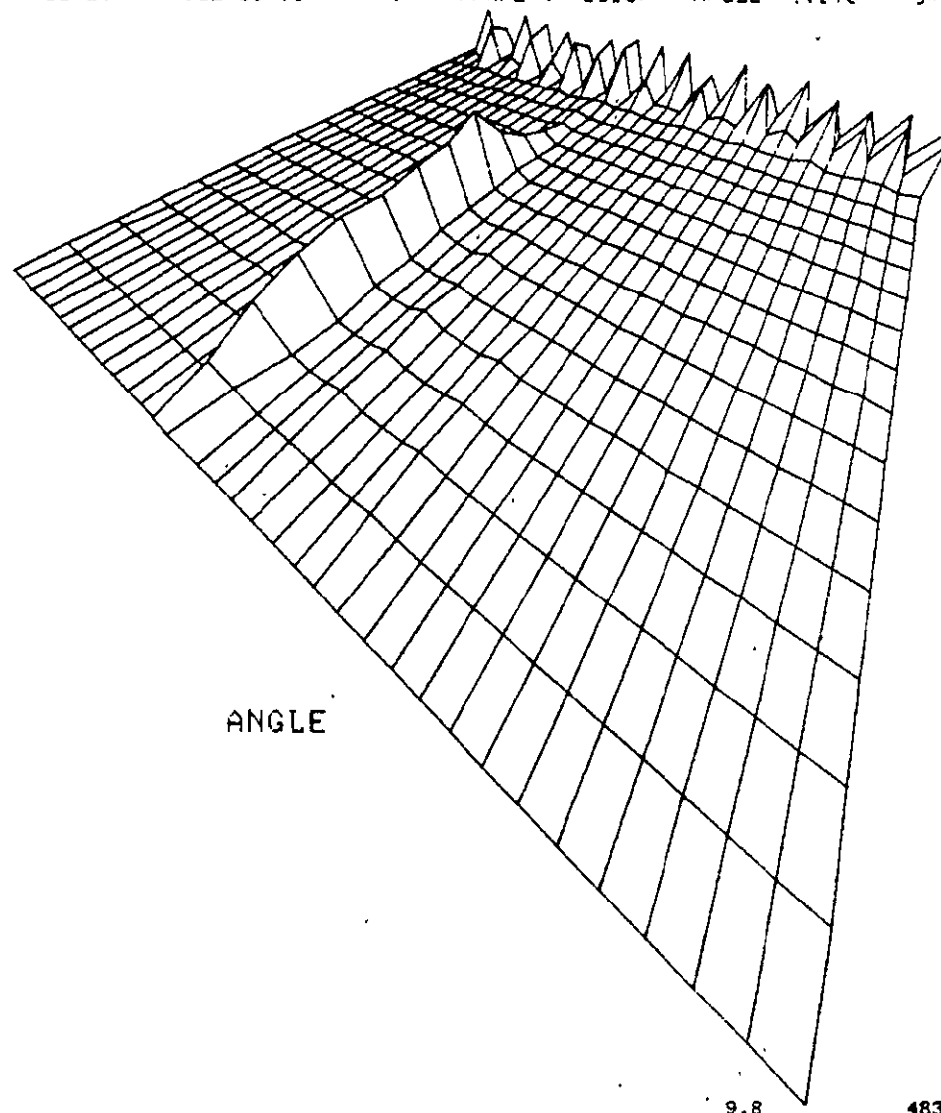
IMAX, R, A DISPLAY

NASA PROJECT DUST DE-IL DAY 223 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 18 FRAME # 12720 ANGLE 65.054 TO FRAME # 13360 ANGLE 9.570 CRITICAL AMP AT CELL 62  
 OPTION # 11-2

MAXIMUM I = 61.0  
 AVERAGE I = 3.5

ANGLE  
 1 65.0  
 2 64.8  
 3 64.2  
 4 63.2  
 5 62.0  
 6 60.4  
 7 58.7  
 8 56.8  
 9 55.1  
 10 53.4  
 11 51.6  
 12 49.9  
 13 48.2  
 14 46.5  
 15 44.8  
 16 43.1  
 17 41.4  
 18 39.7  
 19 37.9  
 20 36.2  
 21 34.4  
 22 32.7  
 23 31.0  
 24 29.2  
 25 27.5  
 26 25.7  
 27 23.9  
 28 22.2  
 29 20.4  
 30 18.6  
 31 16.8  
 32 15.0  
 33 13.3  
 34 11.5  
 35 10.1  
 36 9.8

65.0



159.1

R

R  
 1 159.1  
 2 178.2  
 3 197.3  
 4 216.4  
 5 235.5  
 6 254.6  
 7 273.7  
 8 292.7  
 9 311.8  
 10 330.9  
 11 350.0  
 12 369.1  
 13 388.2  
 14 407.3  
 15 426.4  
 16 445.5  
 17 483.7

ANGLE

9.8

483.7

IMAX, R, A DISPLAY



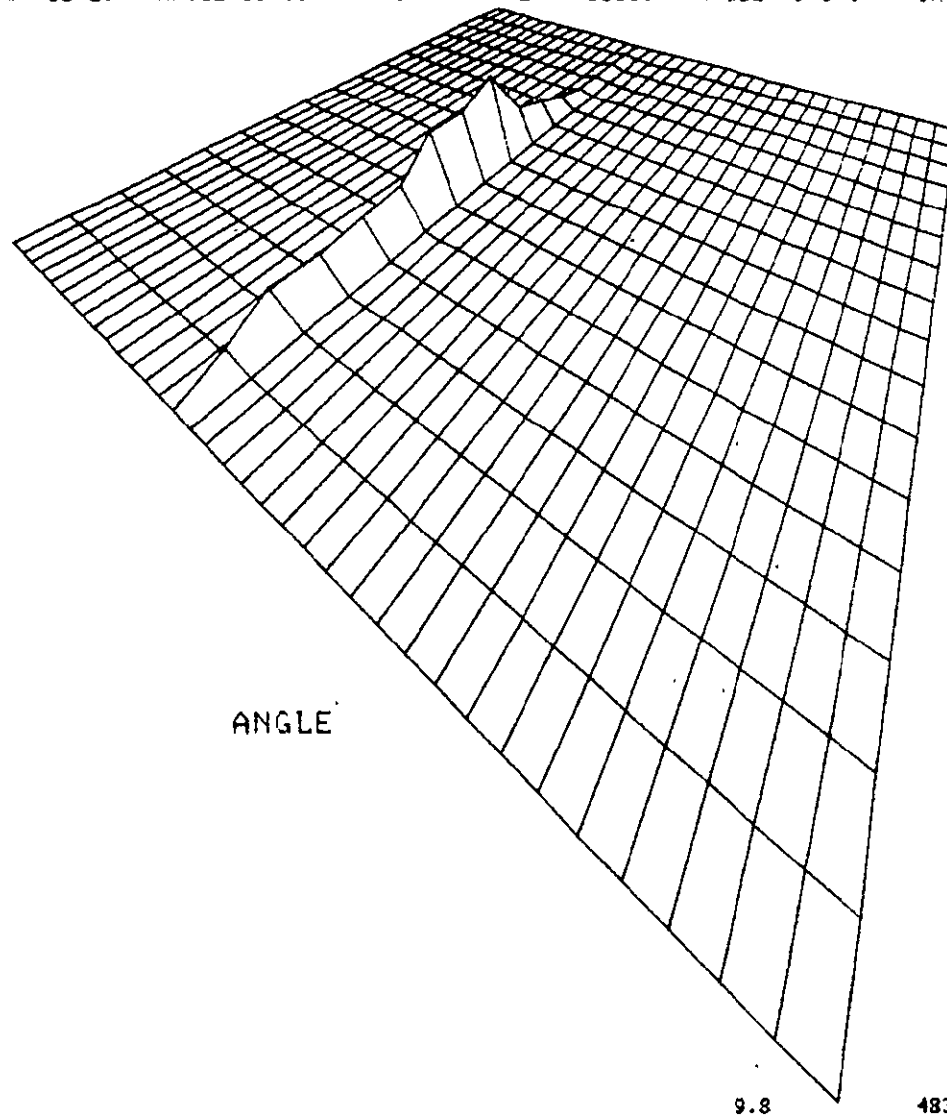
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 18 FRAME # 12720 ANGLE 65.054 TO FRAME # 13360 ANGLE 9.570 CRITICAL AMP AT CELL 62  
 OPTION # 12-1

MAXIMUM I = 61.0

AVERAGE I = 0.6

ANGLE  
 1 65.0  
 2 64.8  
 3 64.2  
 4 63.2  
 5 62.0  
 6 60.4  
 7 58.7  
 8 56.8  
 9 55.1  
 10 53.4  
 11 51.6  
 12 49.9  
 13 48.2  
 14 46.5  
 15 44.8  
 16 43.1  
 17 41.4  
 18 39.7  
 19 37.9  
 20 36.2  
 21 34.4  
 22 32.7  
 23 31.0  
 24 29.2  
 25 27.5  
 26 25.7  
 27 23.9  
 28 22.2  
 29 20.4  
 30 18.6  
 31 16.8  
 32 15.0  
 33 13.3  
 34 11.5  
 35 10.1  
 36 9.8

65.0



159.1

R  
 1 159.1  
 2 178.2  
 3 197.3  
 4 216.4  
 5 235.5  
 6 254.6  
 7 273.7  
 8 292.7  
 9 311.8  
 10 330.9  
 11 350.0  
 12 369.1  
 13 388.2  
 14 407.3  
 15 426.4  
 16 445.5  
 17 463.7

R

ANGLE

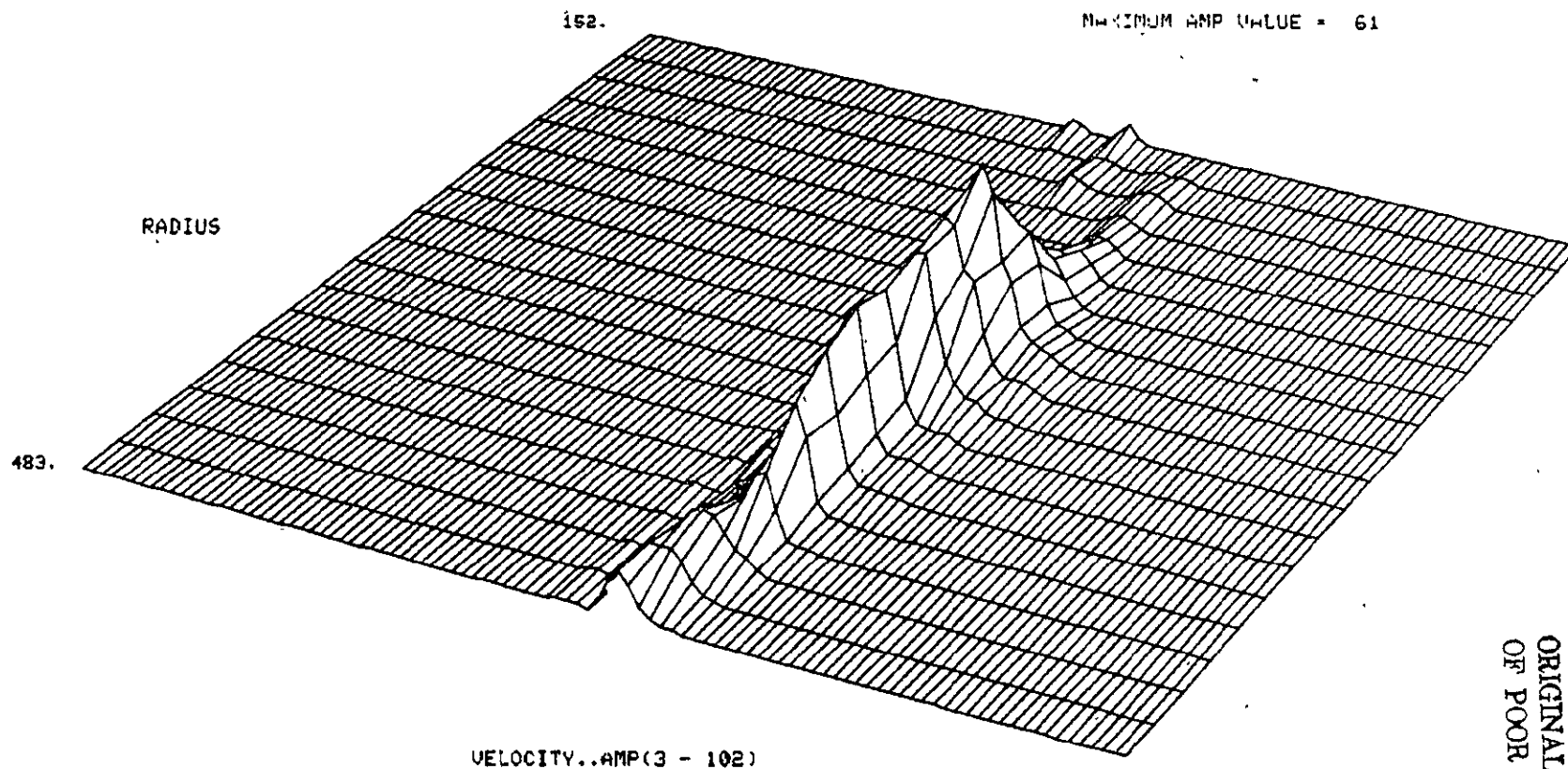
9.8

483.7

I, R, A DISPLAY AT VELOCITY CELL 62

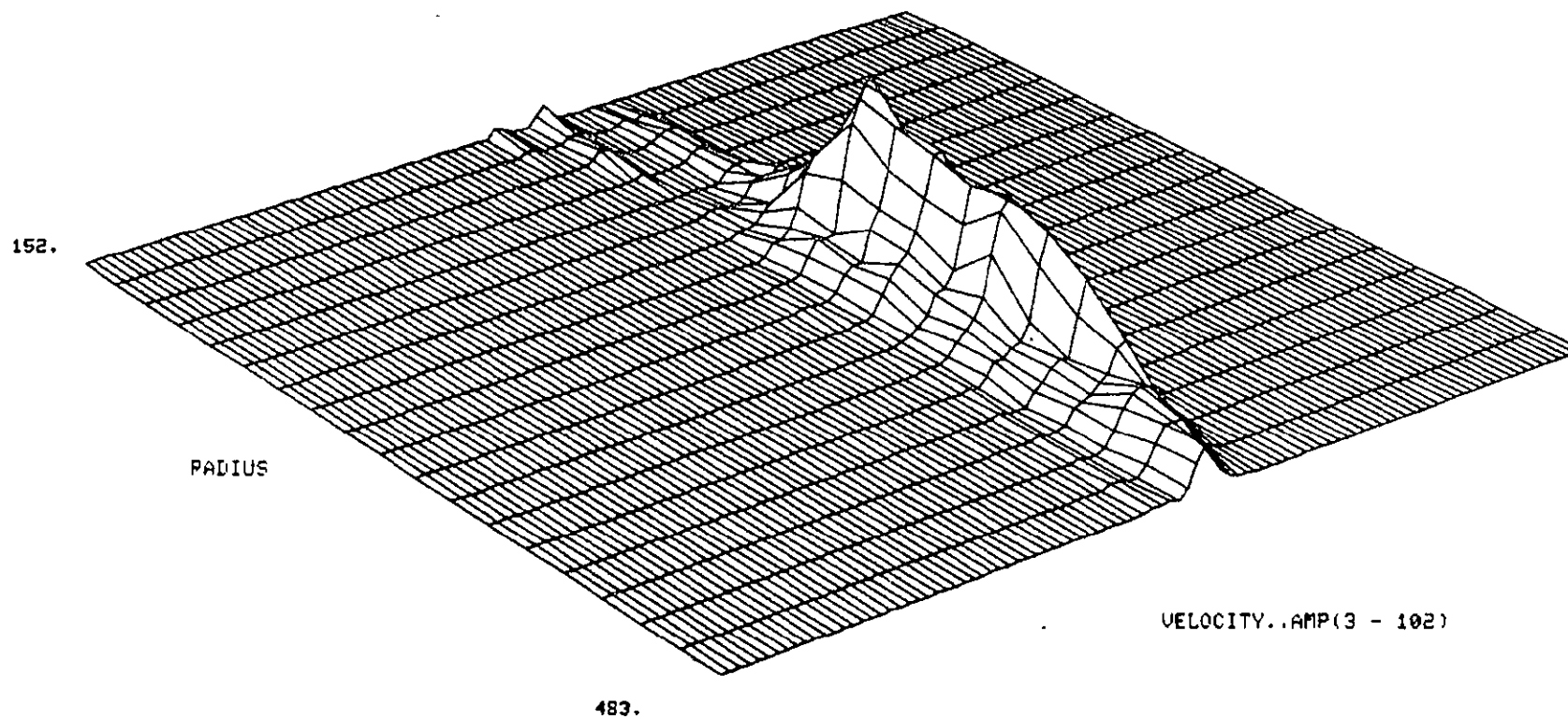
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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 18 FRAME # 12720 ANGLE 65.054 TO FRAME # 13360 ANGLE 9:570 CRITICAL AMP AT CELL 62  
 FRAME # 12959 TO 12978  
 ANGLE = 44.32  
 MAXIMUM AMP VALUE = 61



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\* NASA PROJECT DUST DEVIL DAY 238 FILM # 4 TAPE 1 OF 2- 6110  
 SCAN # 18 FRAME # 12720 ANGLE 65.054 TO FRAME # 13360 ANGLE 9.570 CRITICAL AMP AT CELL 62  
 FRAME # 12959 TO 12978  
 ANGLE = 44.82  
 MAXIMUM AMP VALUE = 61



NASA PROJECT DUST DEVIL DAY 233. RUN # 4 TAPE 1 OF 6- 6110  
 \* SCAN # 18 FRAME # 12720 ANGLE 65.054 TO FRAME # 13360 ANGLE 9.570 CRITICAL AMP AT CELL 62

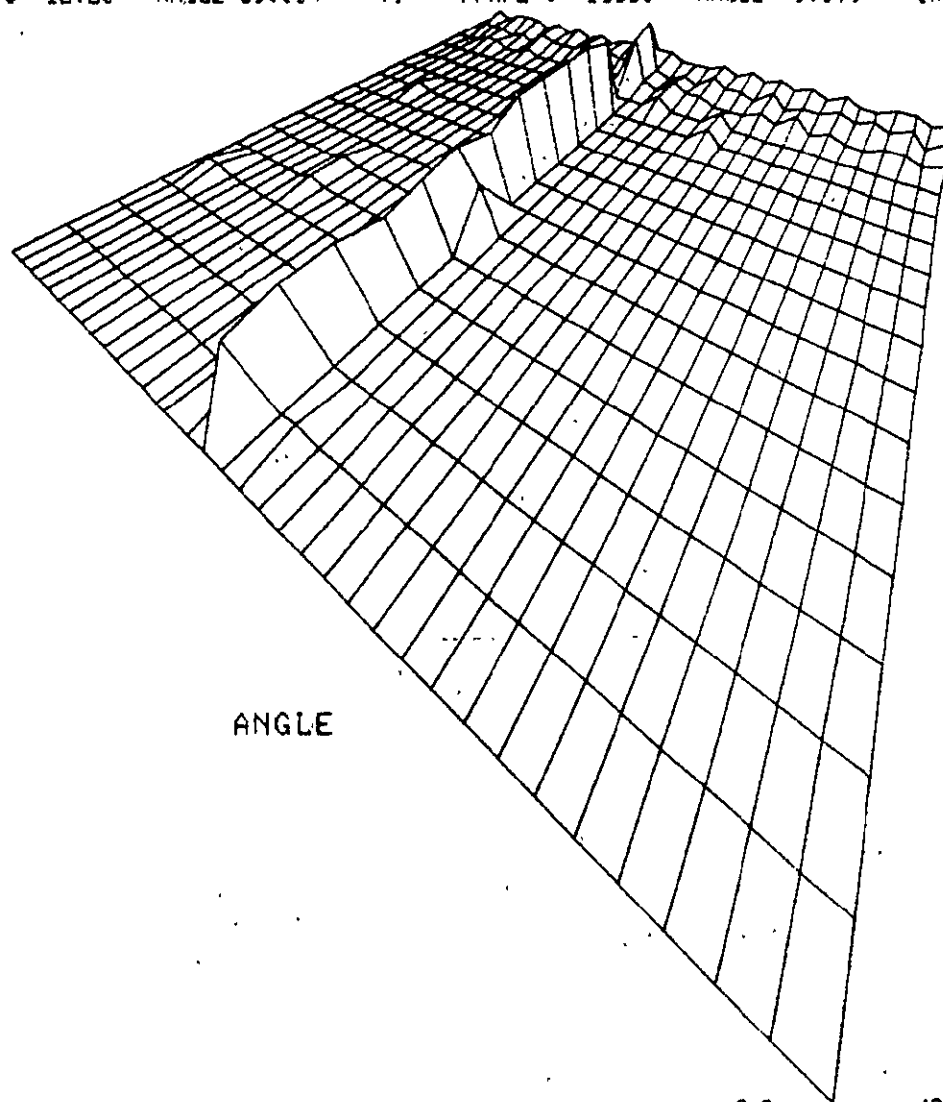
OPTION # 21-1

MAXIMUM U = 12.0

AVERAGE U = 1.5

ANGLE  
 1 65.0  
 2 64.8  
 3 64.2  
 4 63.2  
 5 62.0  
 6 60.4  
 7 58.7  
 8 56.8  
 9 55.1  
 10 53.4  
 11 51.6  
 12 49.9  
 13 48.2  
 14 46.5  
 15 44.8  
 16 43.1  
 17 41.4  
 18 39.7  
 19 37.9  
 20 36.2  
 21 34.4  
 22 32.7  
 23 31.0  
 24 29.2  
 25 27.5  
 26 25.7  
 27 23.9  
 28 22.2  
 29 20.4  
 30 18.6  
 31 16.8  
 32 15.0  
 33 13.3  
 34 11.5  
 35 10.1  
 36 9.8

65.0



ANGLE

9.8

159.1

R

R  
 1 159.1  
 2 178.2  
 3 197.3  
 4 216.4  
 5 235.6  
 6 254.6  
 7 273.7  
 8 292.7  
 9 311.3  
 10 330.9  
 11 350.0  
 12 369.1  
 13 388.2  
 14 407.3  
 15 426.4  
 16 445.6  
 17 464.7

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U, R, A . DISPLAY (VELOCITY AT I<sub>MAX</sub>)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 18 FRAME # 12720 ANGLE 65.054 TO FRAME # 13360 ANGLE 9.570 CRITICAL AMP AT CELL 62

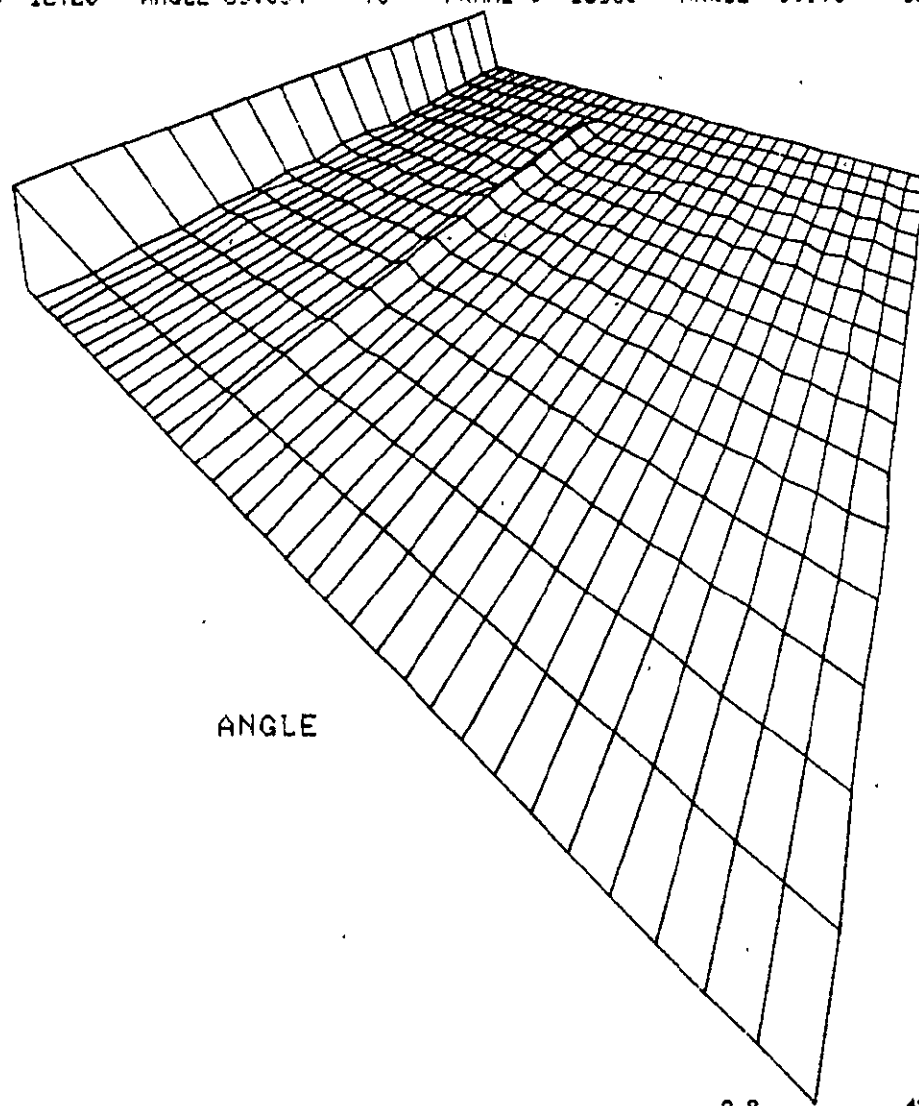
OPTION # 21-2

MAXIMUM U = 55.0

AVERAGE U = 3.8

ANGLE  
 1 65.0  
 2 64.8  
 3 64.2  
 4 63.2  
 5 62.0  
 6 60.4  
 7 58.7  
 8 56.8  
 9 55.1  
 10 53.4  
 11 51.6  
 12 49.9  
 13 48.2  
 14 46.5  
 15 44.8  
 16 43.1  
 17 41.4  
 18 39.7  
 19 37.9  
 20 36.2  
 21 34.4  
 22 32.7  
 23 31.0  
 24 29.2  
 25 27.5  
 26 25.7  
 27 23.9  
 28 22.2  
 29 20.4  
 30 18.6  
 31 16.8  
 32 15.0  
 33 13.3  
 34 11.5  
 35 10.1  
 36 9.8

65.0



159.1

R  
 1 159.1  
 2 178.2  
 3 197.3  
 4 216.4  
 5 235.5  
 6 254.6  
 7 273.7  
 8 292.7  
 9 311.8  
 10 330.9  
 11 350.0  
 12 369.1  
 13 388.2  
 14 407.3  
 15 426.4  
 16 445.5  
 17 463.7

U

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U, R, A DISPLAY (VELOCITY AT I MAX)

9.8

483.7

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 18. FRAME # 12720 ANGLE 65.054 TO FRAME # 13360 ANGLE 3.570 OPTICAL AMP AT CELL 62

OPTION # 22-1

MAXIMUM U = 57.0

AVERAGE U = 1.4

ANGLE  
 1 65.0  
 2 64.8  
 3 64.2  
 4 63.2  
 5 62.0  
 6 60.4  
 7 58.7  
 8 56.8  
 9 55.1  
 10 53.4  
 11 51.6  
 12 49.9  
 13 48.2  
 14 46.5  
 15 44.8  
 16 43.1  
 17 41.4  
 18 39.7  
 19 37.9  
 20 36.2  
 21 34.4  
 22 32.7  
 23 31.0  
 24 29.2  
 25 27.5  
 26 25.7  
 27 23.9  
 28 22.2  
 29 20.4  
 30 18.6  
 31 16.8  
 32 15.0  
 33 13.3  
 34 11.5  
 35 10.1  
 36 9.8

65.0

ANGLE

9.8

159.1

R

483.7

R  
 1 159.1  
 2 178.2  
 3 197.3  
 4 216.4  
 5 235.5  
 6 254.6  
 7 273.7  
 8 292.7  
 9 311.8  
 10 330.9  
 11 350.0  
 12 369.1  
 13 388.2  
 14 407.3  
 15 426.4  
 16 445.5  
 17 483.7

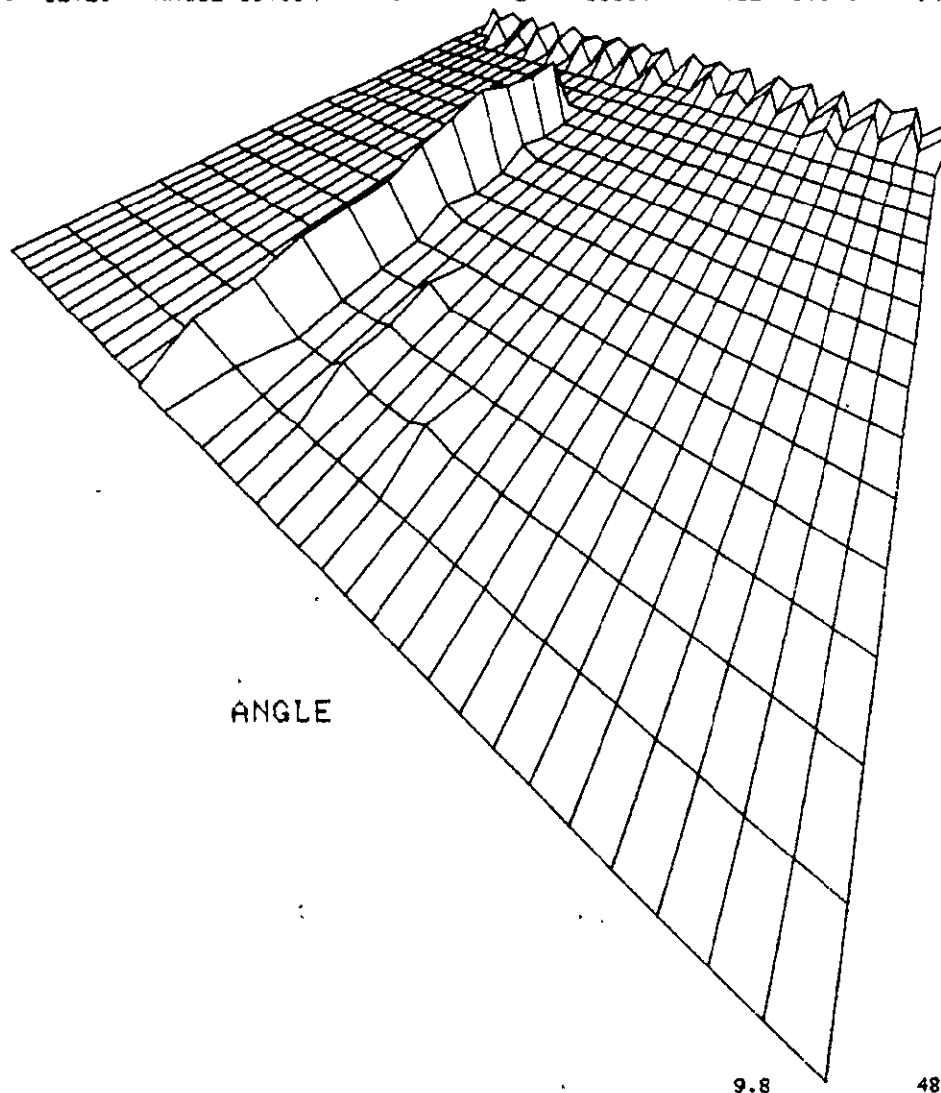
U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 8110  
 \* SCAN # 18 FRAME # 12720 ANGLE 65.054 TO FRAME # 13360 ANGLE 9.570 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 16.0  
 AVERAGE U = 1.6

ANGLE  
 1 65.0  
 2 64.8  
 3 64.2  
 4 63.2  
 5 62.0  
 6 60.4  
 7 58.7  
 8 56.8  
 9 55.1  
 10 53.4  
 11 51.6  
 12 49.9  
 13 48.2  
 14 46.5  
 15 44.8  
 16 43.1  
 17 41.4  
 18 39.7  
 19 37.9  
 20 36.2  
 21 34.4  
 22 32.7  
 23 31.0  
 24 29.2  
 25 27.5  
 26 25.7  
 27 23.9  
 28 22.2  
 29 20.4  
 30 18.6  
 31 16.8  
 32 15.0  
 33 13.3  
 34 11.5  
 35 10.1  
 36 9.2

65.0



9.8

159.1

U

483.7

R  
 1 159.1  
 2 178.2  
 3 197.3  
 4 216.4  
 5 235.5  
 6 254.6  
 7 273.7  
 8 292.7  
 9 311.2  
 10 330.9  
 11 350.0  
 12 369.1  
 13 388.2  
 14 407.3  
 15 426.4  
 16 445.5  
 17 463.7

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 18 FRAME # 12720 ANGLE 65.054 TO FRAME # 13360 ANGLE 3.570 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 65.0  
 2 64.8  
 3 64.2  
 4 63.2  
 5 62.0  
 6 60.4  
 7 58.7  
 8 56.8  
 9 55.1  
 10 53.4  
 11 51.6  
 12 49.9  
 13 48.2  
 14 46.5  
 15 44.8  
 16 43.1  
 17 41.4  
 18 39.7  
 19 37.9  
 20 36.2  
 21 34.4  
 22 32.7  
 23 31.0  
 24 29.2  
 25 27.5  
 26 25.7  
 27 23.9  
 28 22.2  
 29 20.4  
 30 18.6  
 31 16.8  
 32 15.0  
 33 13.3  
 34 11.5  
 35 10.1  
 36 9.8

65.0

ANGLE

9.3

159.1

CR

483.7

P  
 1 159.1  
 2 178.2  
 3 197.3  
 4 216.4  
 5 235.5  
 6 254.6  
 7 273.7  
 8 292.7  
 9 311.8  
 10 330.9  
 11 350.0  
 12 369.1  
 13 388.2  
 14 407.3  
 15 426.4  
 16 445.5  
 17 463.7

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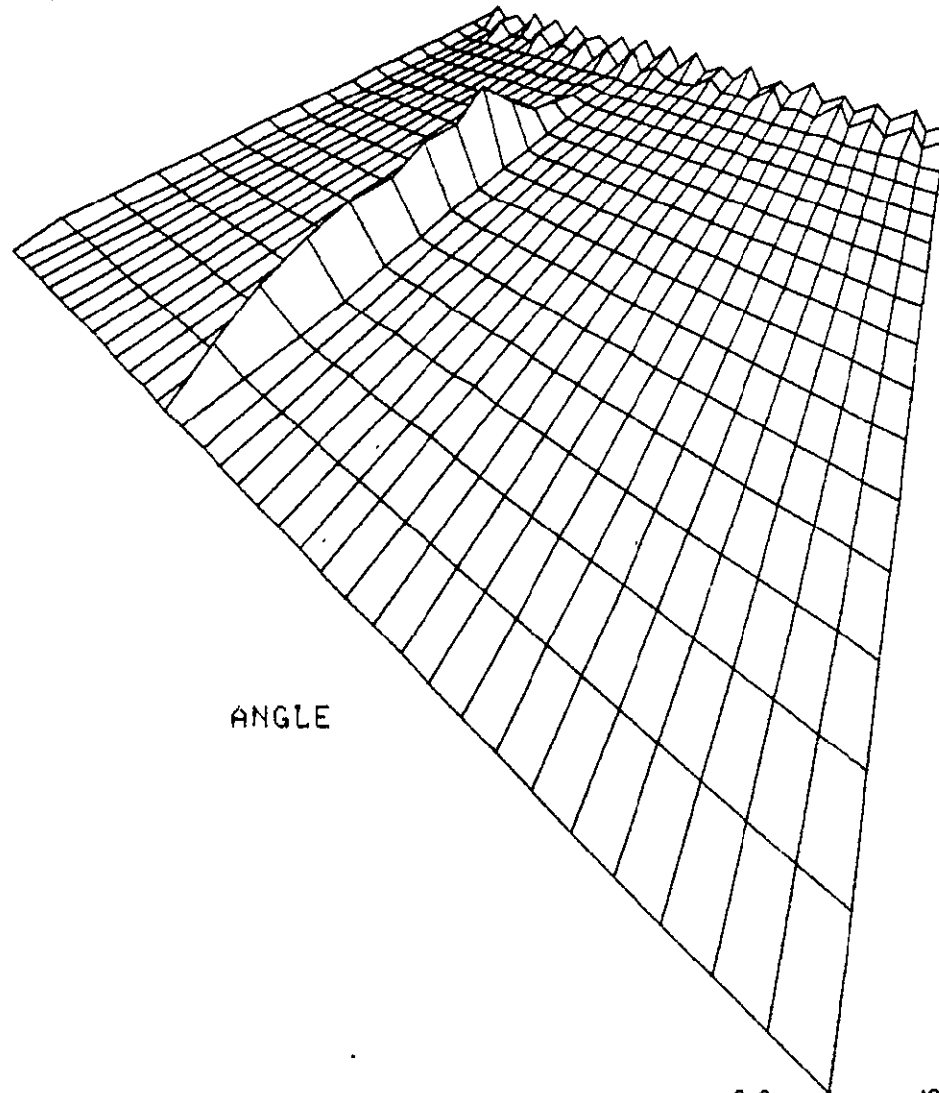
U \* IMAX, P, A DISPLAY



NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 18 FRAME # 12720 ANGLE 65.054 TO FRAME # 12360 ANGLE 9.570 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 65.0  
 2 64.8  
 3 64.2  
 4 63.2  
 5 62.0  
 6 60.4  
 7 58.7  
 8 56.8  
 9 55.1  
 10 53.4  
 11 51.6  
 12 49.9  
 13 48.2  
 14 46.5  
 15 44.8  
 16 43.1  
 17 41.4  
 18 39.7  
 19 37.9  
 20 36.2  
 21 34.4  
 22 32.7  
 23 31.0  
 24 29.2  
 25 27.5  
 26 25.7  
 27 23.9  
 28 22.2  
 29 20.4  
 30 18.6  
 31 16.8  
 32 15.0  
 33 13.3  
 34 11.5  
 35 10.1  
 36 9.8

65.0



ANGLE

9.8

159.1

R

R  
 1 159.1  
 2 178.2  
 3 197.3  
 4 216.4  
 5 235.5  
 6 254.6  
 7 273.7  
 8 292.7  
 9 311.3  
 10 330.9  
 11 350.0  
 12 369.1  
 13 388.2  
 14 407.3  
 15 426.4  
 16 445.5  
 17 463.7

483.7

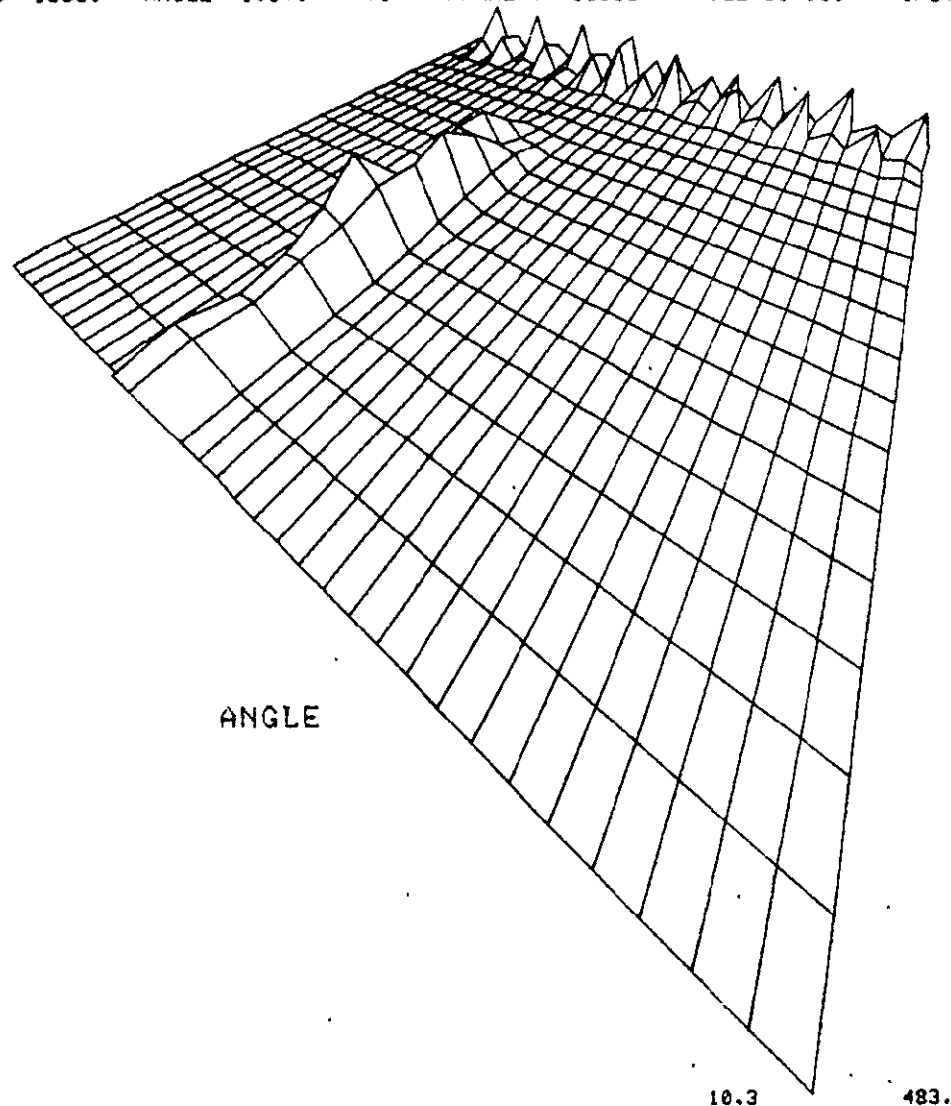
U \* I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 19 FRAME # 13360 ANGLE 9.570 TO FRAME # 13966 ANGLE 65.060 CRITICAL WMP AT CELL 62  
 OPTION # 11-1

MAXIMUM I = 39.0  
 AVERAGE I = 1.8

ANGLE  
 1 10.3  
 2 11.3  
 3 12.7  
 4 14.1  
 5 15.8  
 6 17.6  
 7 19.4  
 8 21.1  
 9 22.8  
 10 24.6  
 11 26.4  
 12 28.1  
 13 29.8  
 14 31.6  
 15 33.3  
 16 35.1  
 17 36.8  
 18 38.5  
 19 40.3  
 20 42.1  
 21 43.8  
 22 45.5  
 23 47.1  
 24 48.8  
 25 50.5  
 26 52.3  
 27 53.9  
 28 55.7  
 29 57.4  
 30 59.3  
 31 61.1  
 32 62.8  
 33 64.3  
 34 65.0

65.0



158.6

R  
 1 158.6  
 2 177.7  
 3 196.8  
 4 215.9  
 5 235.1  
 6 254.2  
 7 273.3  
 8 292.4  
 9 311.5  
 10 330.6  
 11 349.7  
 12 368.8  
 13 387.9  
 14 407.0  
 15 426.1  
 16 445.2  
 17 463.4

R

10.3

483.4

Imax, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 19 FRAME # 13360 ANGLE 9.570 TO FRAME # 13966 ANGLE 65.060 CRITICAL AMP AT CELL 62

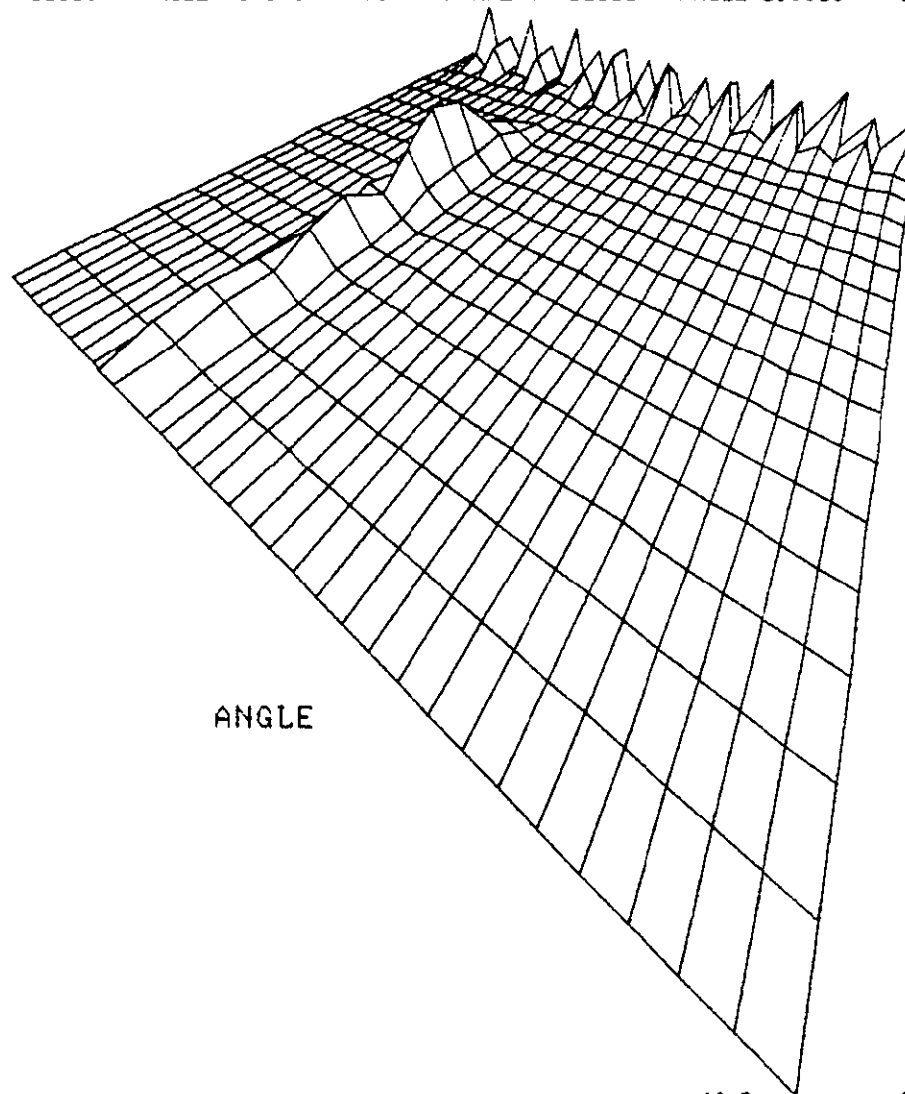
OPTION # 11-2

MAXIMUM I = 58.0

AVERAGE I = 3.3

ANGLE  
 1 10.3  
 2 11.3  
 3 12.7  
 4 14.1  
 5 15.8  
 6 17.6  
 7 19.4  
 8 21.1  
 9 22.8  
 10 24.6  
 11 26.4  
 12 28.1  
 13 29.8  
 14 31.6  
 15 33.3  
 16 35.1  
 17 36.8  
 18 38.5  
 19 40.3  
 20 42.1  
 21 43.8  
 22 45.5  
 23 47.1  
 24 48.8  
 25 50.5  
 26 52.3  
 27 53.9  
 28 55.7  
 29 57.4  
 30 59.3  
 31 61.1  
 32 62.8  
 33 64.3  
 34 65.0

65.0



152.6

R  
 1 158.6  
 2 177.7  
 3 196.8  
 4 215.9  
 5 235.1  
 6 254.2  
 7 273.3  
 8 292.4  
 9 311.5  
 10 330.6  
 11 349.7  
 12 368.3  
 13 387.9  
 14 407.0  
 15 426.1  
 16 445.2  
 17 463.4

R

ANGLE

10.3

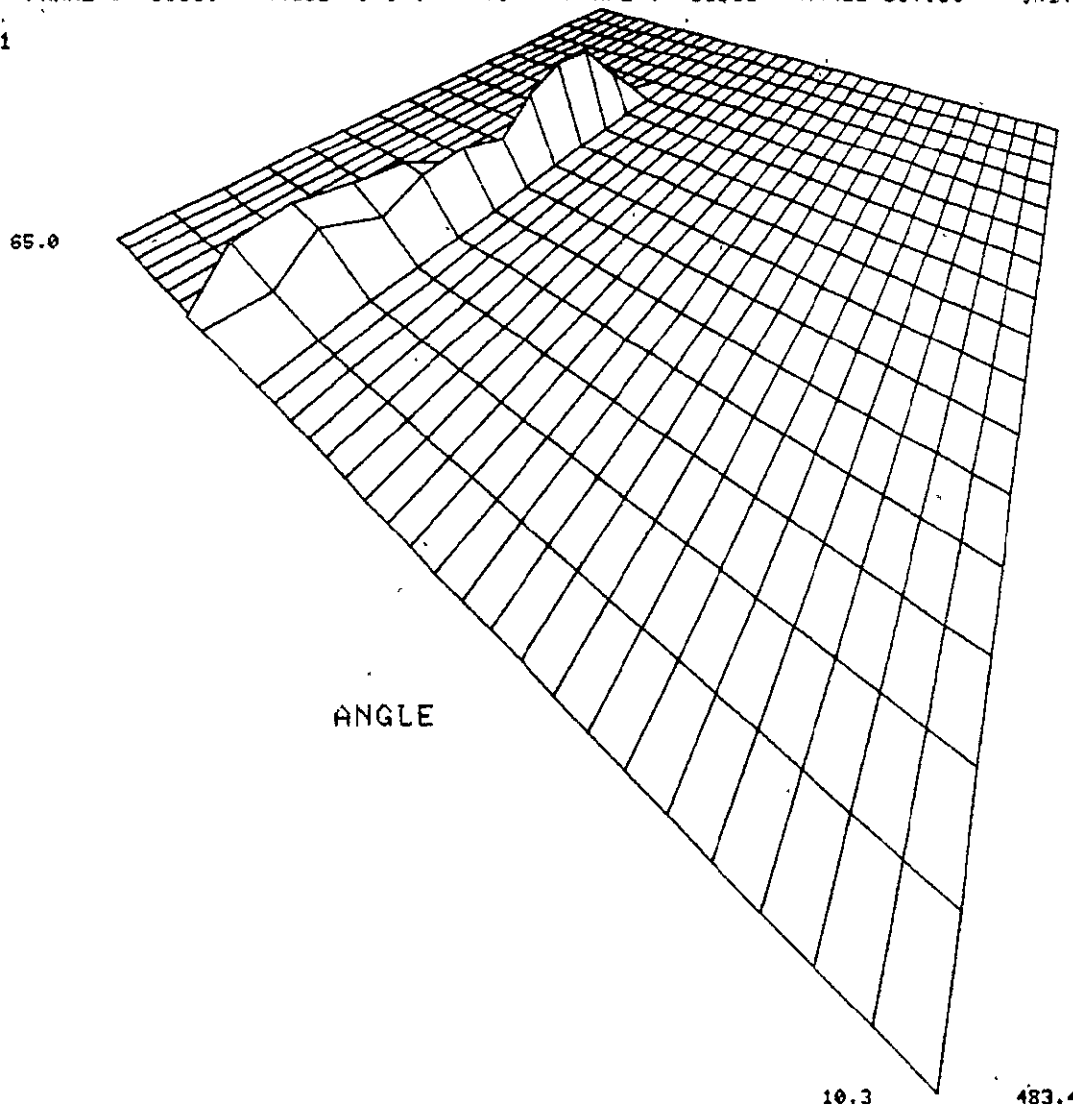
483.4

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 19 FRAME # 13360 ANGLE 9.570 TO FRAME # 13966 ANGLE 65.060 CRITICAL AMP AT CELL 62  
 OPTION # 12-1

MAXIMUM I = 26.0  
 AVERAGE I = 0.5

ANGLE  
 1 10.3  
 2 11.3  
 3 12.7  
 4 14.1  
 5 15.8  
 6 17.6  
 7 19.4  
 8 21.1  
 9 22.8  
 10 24.6  
 11 26.4  
 12 28.1  
 13 29.8  
 14 31.6  
 15 33.3  
 16 35.1  
 17 36.8  
 18 38.5  
 19 40.3  
 20 42.1  
 21 43.8  
 22 45.5  
 23 47.1  
 24 48.8  
 25 50.5  
 26 52.3  
 27 53.9  
 28 55.7  
 29 57.4  
 30 59.3  
 31 61.1  
 32 62.8  
 33 64.3  
 34 65.0



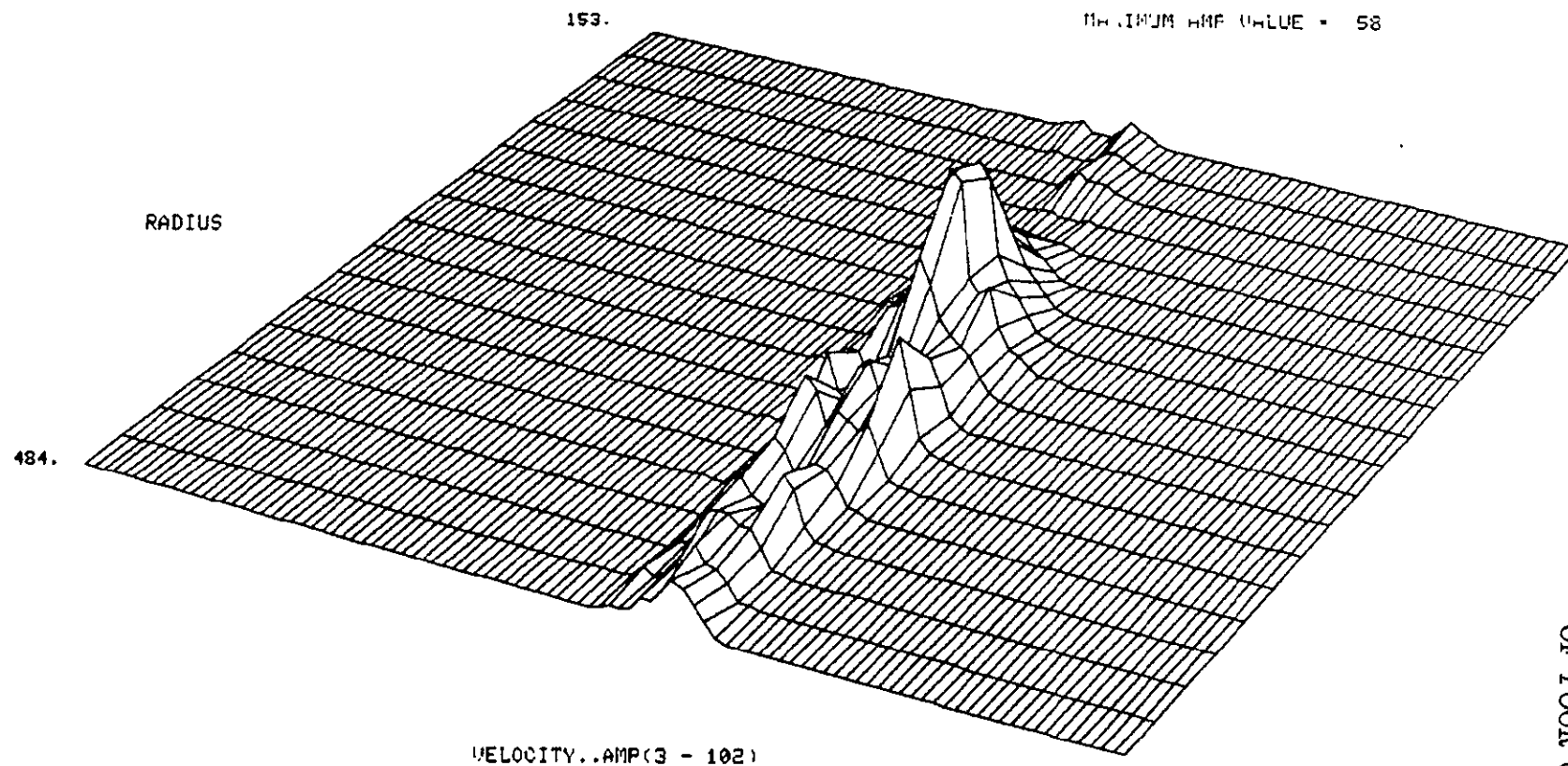
R  
 1 158.6  
 2 177.7  
 3 196.8  
 4 215.9  
 5 235.1  
 6 254.2  
 7 273.3  
 8 292.4  
 9 311.5  
 10 330.6  
 11 349.7  
 12 368.8  
 13 387.9  
 14 407.0  
 15 426.1  
 16 445.2  
 17 463.4

I, R, A DISPLAY AT VELOCITY CELL 62

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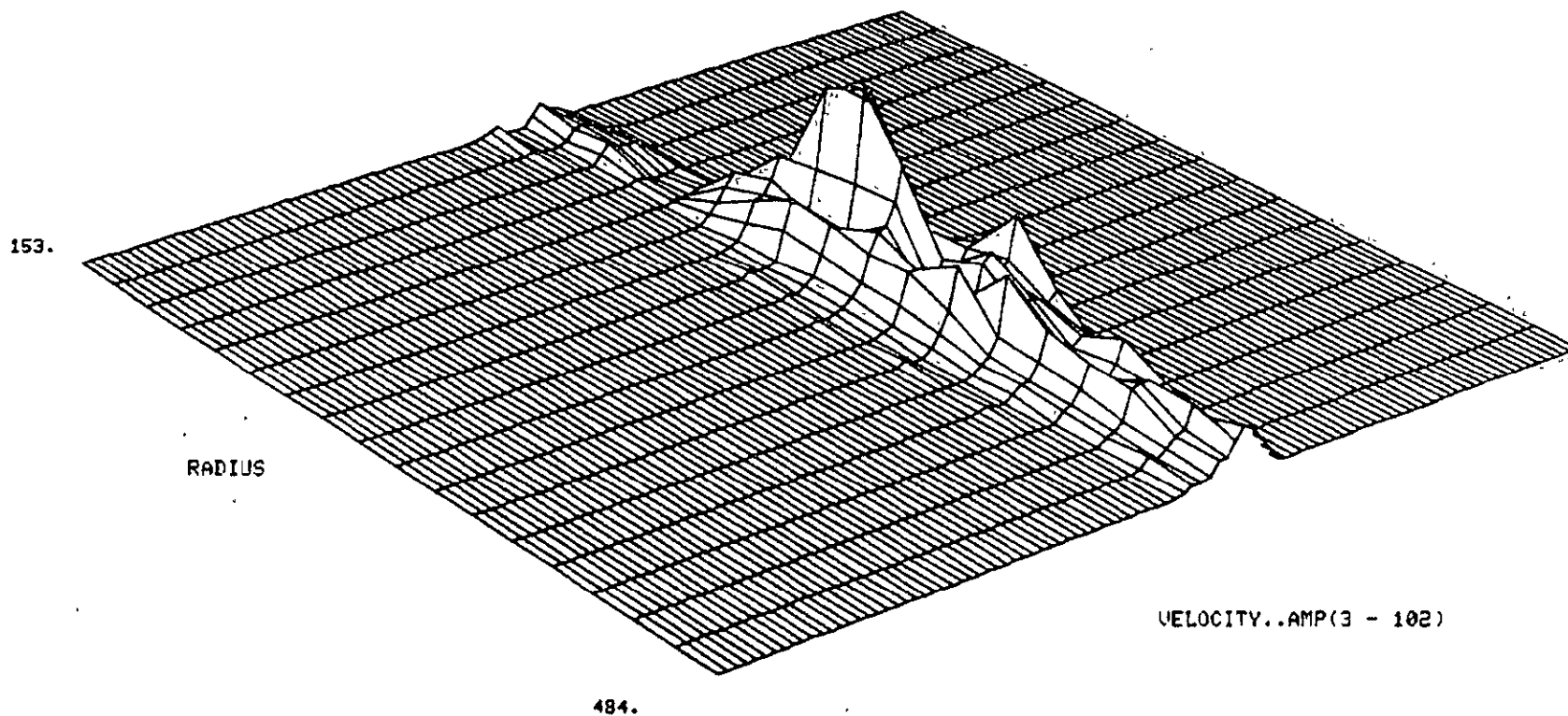
8

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 3- 2110  
SCAN # 19 FRAME # 13360 ANGLE 9.570 TO FRAME # 13966 ANGLE 65.060 CRITICAL AMP AT CELL 62  
FRAME # 13761 TO 13779  
ANGLE = 47.16  
MAXIMUM AMP VALUE = 58



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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
SCAN # 19 FRAME # 13360 ANGLE 9.570 TO FRAME # 13966 ANGLE 65.060 CRITICAL AMP AT CELL 62  
FRAME # 13761 TO 13779  
ANGLE = 47.16  
MAXIMUM AMP VALUE = 58

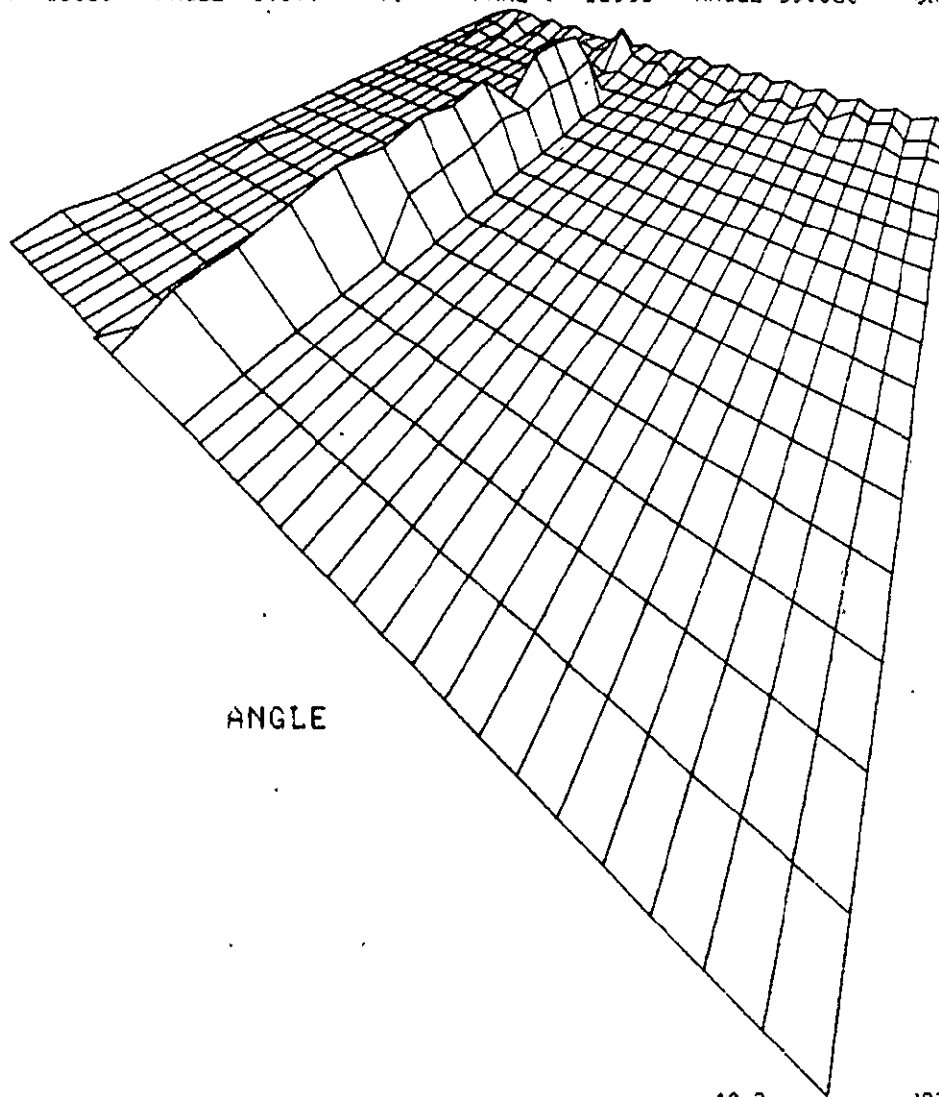


NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 19 FRAME # 13360 ANGLE 9.570 TO FRAME # 13366 ANGLE 65.060 CRITICAL AMP HT CELL 62  
 OPTION # 21-1

MAXIMUM U = 13.0  
 AVERAGE U = 1.6

ANGLE  
 1 10.3  
 2 11.3  
 3 12.7  
 4 14.1  
 5 15.8  
 6 17.6  
 7 19.4  
 8 21.1  
 9 22.8  
 10 24.6  
 11 26.4  
 12 28.1  
 13 29.8  
 14 31.6  
 15 33.3  
 16 35.1  
 17 36.8  
 18 38.5  
 19 40.3  
 20 42.1  
 21 43.8  
 22 45.5  
 23 47.1  
 24 48.8  
 25 50.5  
 26 52.3  
 27 53.9  
 28 55.7  
 29 57.4  
 30 59.3  
 31 61.1  
 32 62.8  
 33 64.3  
 34 65.0

65.0



10.3

158.6

R

R  
 1 158.6  
 2 177.7  
 3 196.8  
 4 215.9  
 5 235.1  
 6 254.2  
 7 273.3  
 8 292.4  
 9 311.5  
 10 330.6  
 11 349.7  
 12 368.8  
 13 387.9  
 14 407.0  
 15 426.1  
 16 445.2  
 17 463.4

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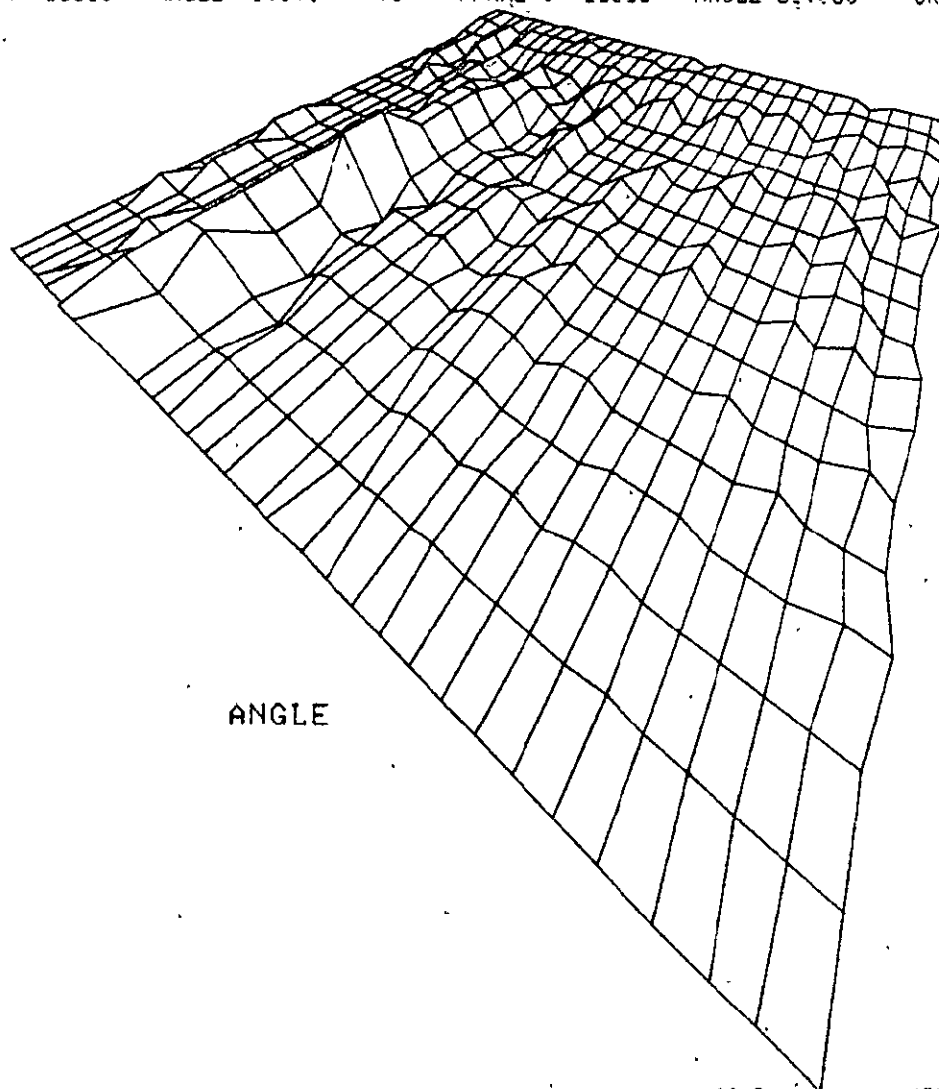
U, R, A DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 19 FRAME # 13360 ANGLE 9.570 TO FRAME # 13966 ANGLE 65.060 CRITICAL AMP AT CELL 62  
 OPTION # 21-2

MAXIMUM U = 12.0  
 AVERAGE U = 2.4

ANGLE  
 1 10.3  
 2 11.3  
 3 12.7  
 4 14.1  
 5 15.8  
 6 17.6  
 7 19.4  
 8 21.1  
 9 22.8  
 10 24.6  
 11 26.4  
 12 28.1  
 13 29.8  
 14 31.6  
 15 33.3  
 16 35.1  
 17 36.8  
 18 38.5  
 19 40.3  
 20 42.1  
 21 43.8  
 22 45.5  
 23 47.1  
 24 48.8  
 25 50.5  
 26 52.3  
 27 53.9  
 28 55.7  
 29 57.4  
 30 59.3  
 31 61.1  
 32 62.8  
 33 64.3  
 34 65.0

65.0



158.6

R  
 1 158.6  
 2 177.7  
 3 196.8  
 4 215.9  
 5 235.1  
 6 254.2  
 7 273.3  
 8 292.4  
 9 311.5  
 10 330.6  
 11 349.7  
 12 368.8  
 13 387.9  
 14 407.0  
 15 426.1  
 16 445.2  
 17 463.4

R

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 OF POOR QUALITY

10.3

483.4

U, R; A DISPLAY (VELOCITY AT I<sub>MAX</sub>)

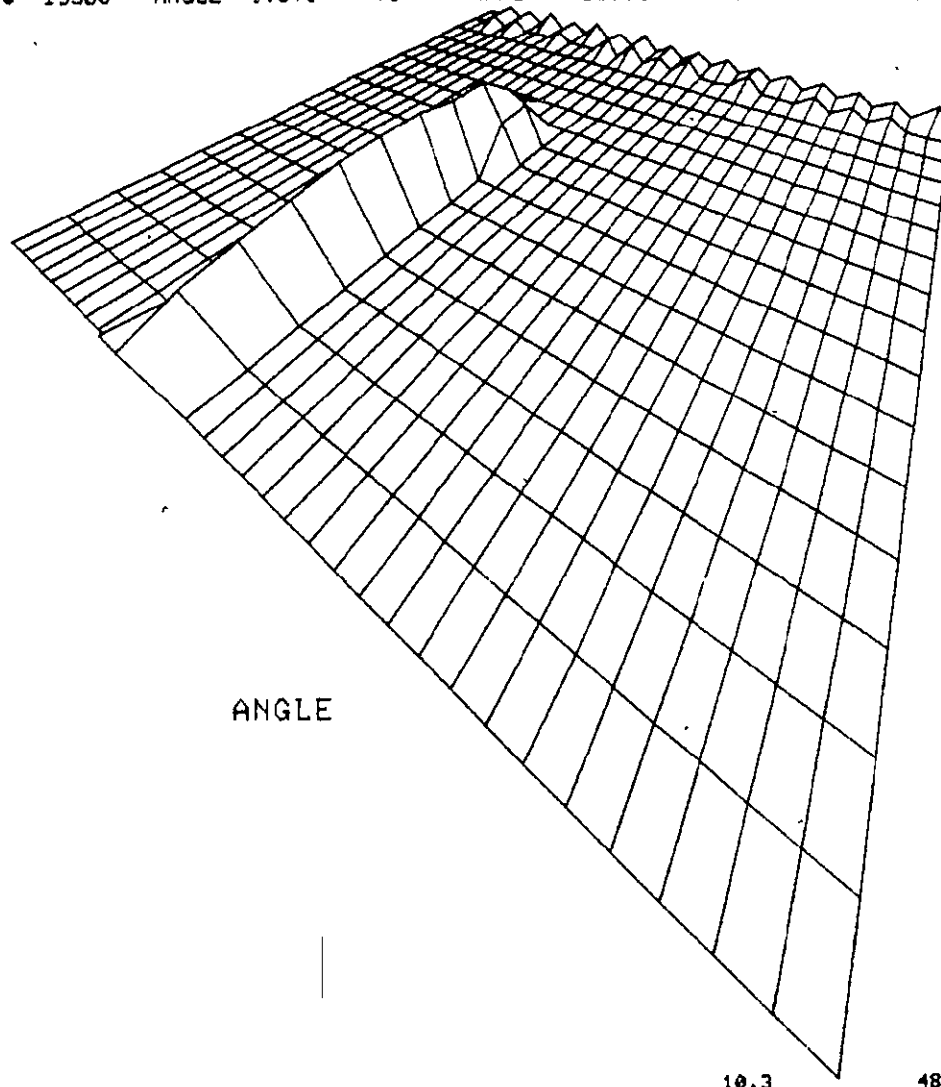


NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- E110  
 \* SCAN # 19 FRAME # 13360 ANGLE 9.570 TO FRAME # 13966 ANGLE 65.060 CRITICAL AMP AT CELL 62  
 OPTION # 22-1

MAXIMUM U = 15.0  
 AVERAGE U = 1.5

ANGLE  
 1 10.3  
 2 11.3  
 3 12.7  
 4 14.1  
 5 15.8  
 6 17.6  
 7 19.4  
 8 21.1  
 9 22.8  
 10 24.6  
 11 26.4  
 12 28.1  
 13 29.8  
 14 31.6  
 15 33.3  
 16 35.1  
 17 36.8  
 18 38.5  
 19 40.3  
 20 42.1  
 21 43.8  
 22 45.5  
 23 47.1  
 24 48.8  
 25 50.5  
 26 52.3  
 27 53.9  
 28 55.7  
 29 57.4  
 30 59.3  
 31 61.1  
 32 62.8  
 33 64.3  
 34 65.0

65.0



158.6

R  
 1 158.6  
 2 177.7  
 3 196.8  
 4 215.9  
 5 235.1  
 6 254.2  
 7 273.3  
 8 292.4  
 9 311.5  
 10 330.6  
 11 349.7  
 12 368.8  
 13 387.9  
 14 407.0  
 15 426.1  
 16 445.2  
 17 463.4

R

ANGLE

10.3

483.4

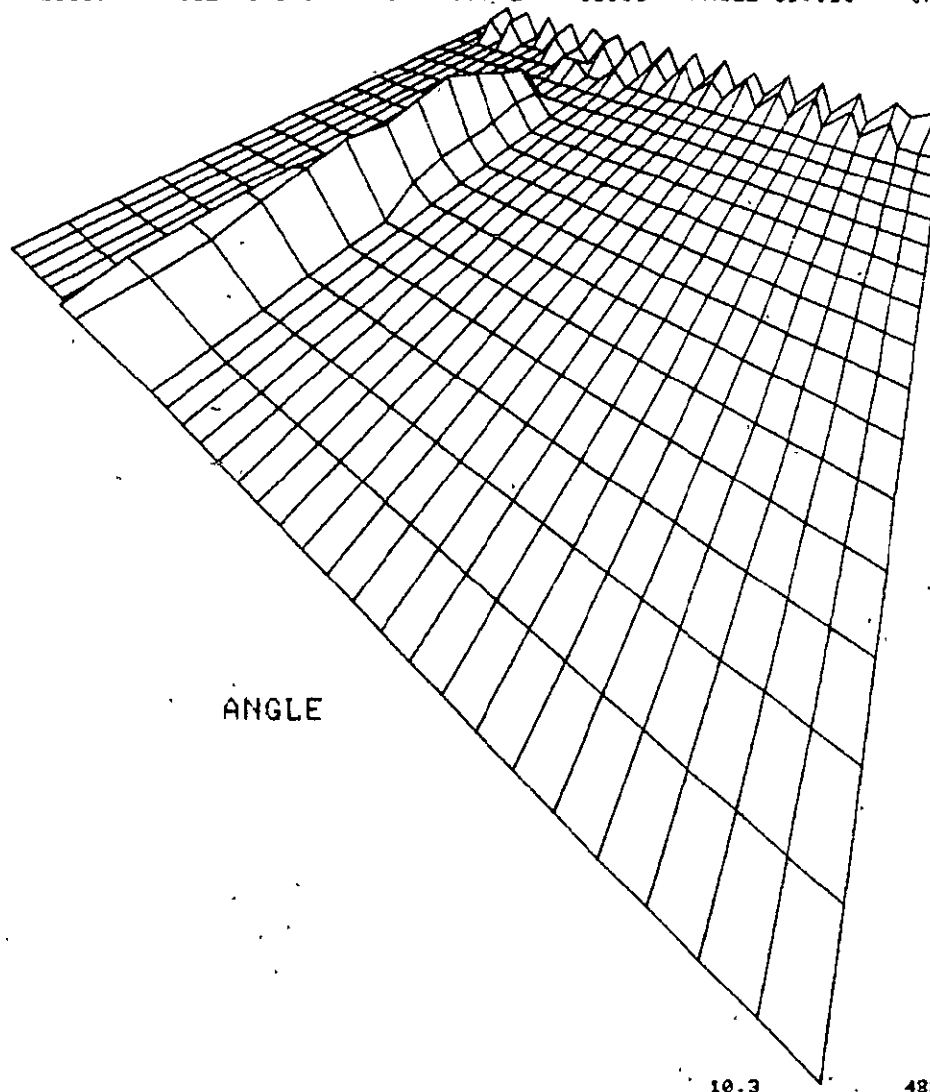
U<sub>max</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 19 FRAME # 13360 ANGLE 9.570 TO FRAME # 13966 ANGLE 65.060 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 15.0  
 AVERAGE U = 1.7

ANGLE  
 1 10.3  
 2 11.3  
 3 12.7  
 4 14.1  
 5 15.8  
 6 17.6  
 7 19.4  
 8 21.1  
 9 22.8  
 10 24.6  
 11 26.4  
 12 28.1  
 13 29.8  
 14 31.6  
 15 33.3  
 16 35.1  
 17 36.8  
 18 38.5  
 19 40.3  
 20 42.1  
 21 43.8  
 22 45.5  
 23 47.1  
 24 48.8  
 25 50.5  
 26 52.3  
 27 53.9  
 28 55.7  
 29 57.4  
 30 59.3  
 31 61.1  
 32 62.8  
 33 64.3  
 34 65.0

65.0



158.6

R  
 1 158.6  
 2 177.7  
 3 196.8  
 4 215.9  
 5 235.1  
 6 254.2  
 7 273.3  
 8 292.4  
 9 311.5  
 10 330.6  
 11 349.7  
 12 368.3  
 13 387.9  
 14 407.0  
 15 426.1  
 16 445.2  
 17 463.4

10.3

483.4

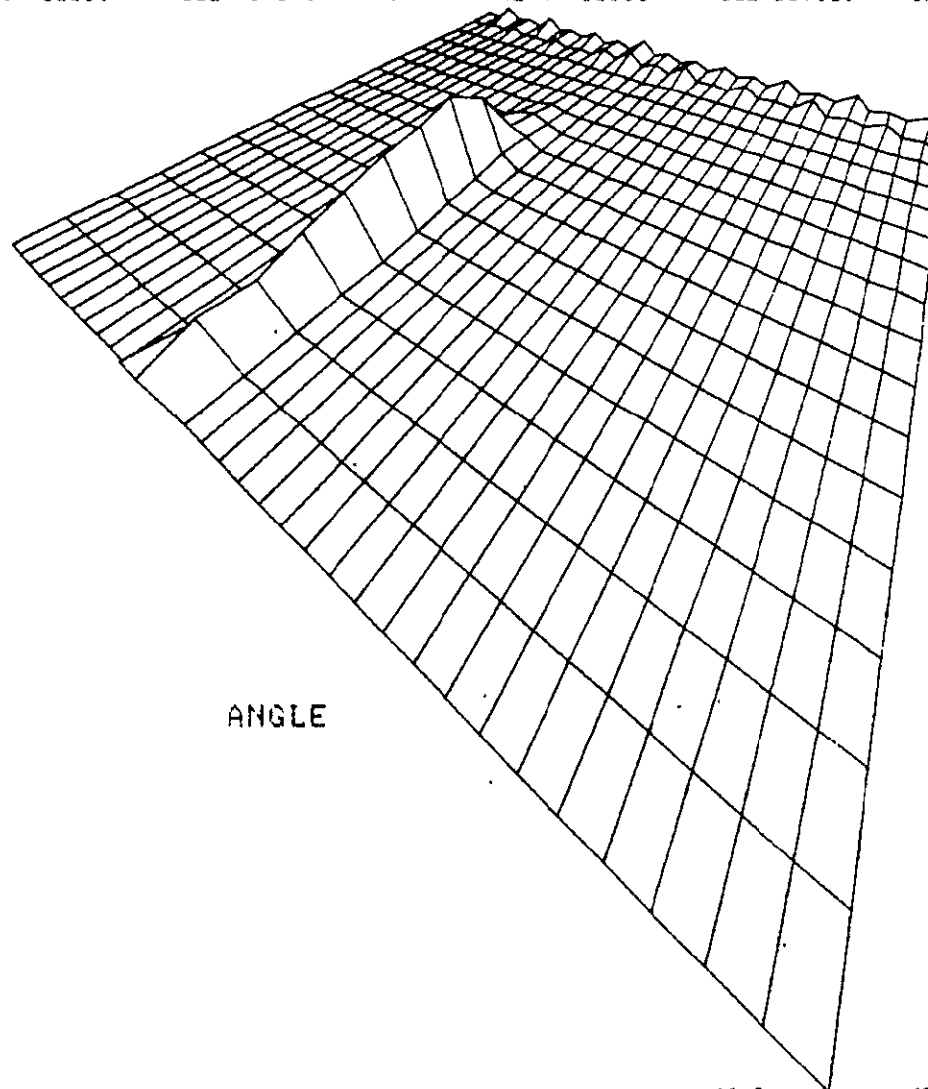
U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAFE 1 OF 2- 6110  
 \* SCAN # 19 FRAME # 13360 ANGLE 9.570 TO FRAME # 13966 ANGLE 65.060 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 10.3  
 2 11.3  
 3 12.7  
 4 14.1  
 5 15.8  
 6 17.6  
 7 19.4  
 8 21.1  
 9 22.8  
 10 24.6  
 11 26.4  
 12 28.1  
 13 29.8  
 14 31.6  
 15 33.3  
 16 35.1  
 17 36.8  
 18 38.5  
 19 40.3  
 20 42.1  
 21 43.8  
 22 45.5  
 23 47.1  
 24 48.8  
 25 50.5  
 26 52.3  
 27 53.9  
 28 55.7  
 29 57.4  
 30 59.3  
 31 61.1  
 32 62.8  
 33 64.3  
 34 65.0

65.0

ANGLE



158.6

R  
 1 158.6  
 2 177.7  
 3 196.8  
 4 215.9  
 5 235.1  
 6 254.2  
 7 273.3  
 8 292.4  
 9 311.5  
 10 330.6  
 11 349.7  
 12 368.3  
 13 387.9  
 14 407.0  
 15 426.1  
 16 445.2  
 17 463.4

R

10.3

483.4

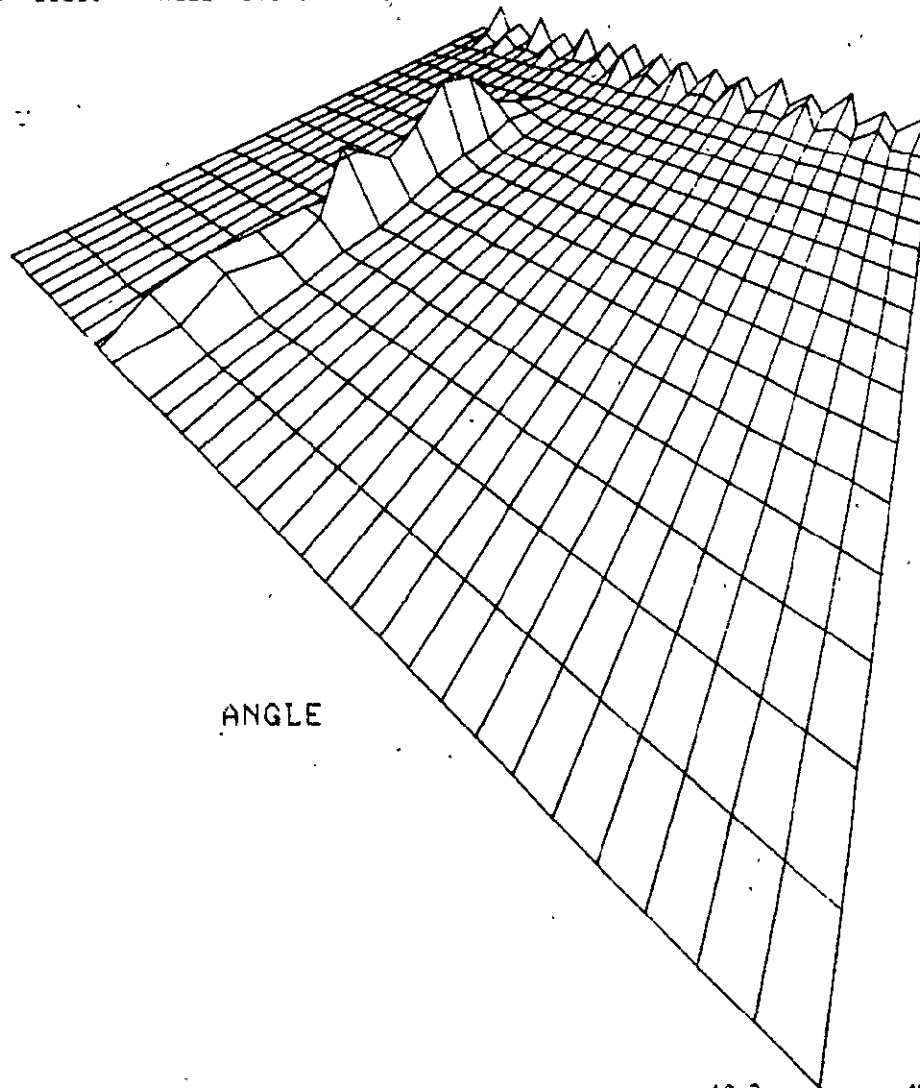
U \* I MAX, R, A DISPLAY

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 POOR QUALITY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 19 FRAME # 13360 ANGLE 9.570 TO FRAME # 13966 ANGLE 65.060 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 10.3  
 2 11.3  
 3 12.7  
 4 14.1  
 5 15.8  
 6 17.6  
 7 19.4  
 8 21.1  
 9 22.8  
 10 24.6  
 11 26.4  
 12 28.1  
 13 29.8  
 14 31.6  
 15 33.3  
 16 35.1  
 17 36.8  
 18 38.5  
 19 40.3  
 20 42.1  
 21 43.8  
 22 45.5  
 23 47.1  
 24 48.8  
 25 50.5  
 26 52.3  
 27 53.9  
 28 55.7  
 29 57.4  
 30 59.3  
 31 61.1  
 32 62.8  
 33 64.3  
 34 65.0

65.0



153.6

P  
 1 158.6  
 2 177.7  
 3 196.8  
 4 215.9  
 5 235.1  
 6 254.2  
 7 273.3  
 8 292.4  
 9 311.5  
 10 330.6  
 11 349.7  
 12 368.8  
 13 387.9  
 14 407.0  
 15 426.1  
 16 445.2  
 17 463.4

483.4

ANGLE

10.3

483.4

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V \* I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 PUP # 4 TAPE 1 OF 2- 2110  
 \* SCAN # 20 FRAME # 13966 ANGLE 65.060 TO FRAME # 14599 ANGLE 9.444 CRITICAL AMP AT CELL 62

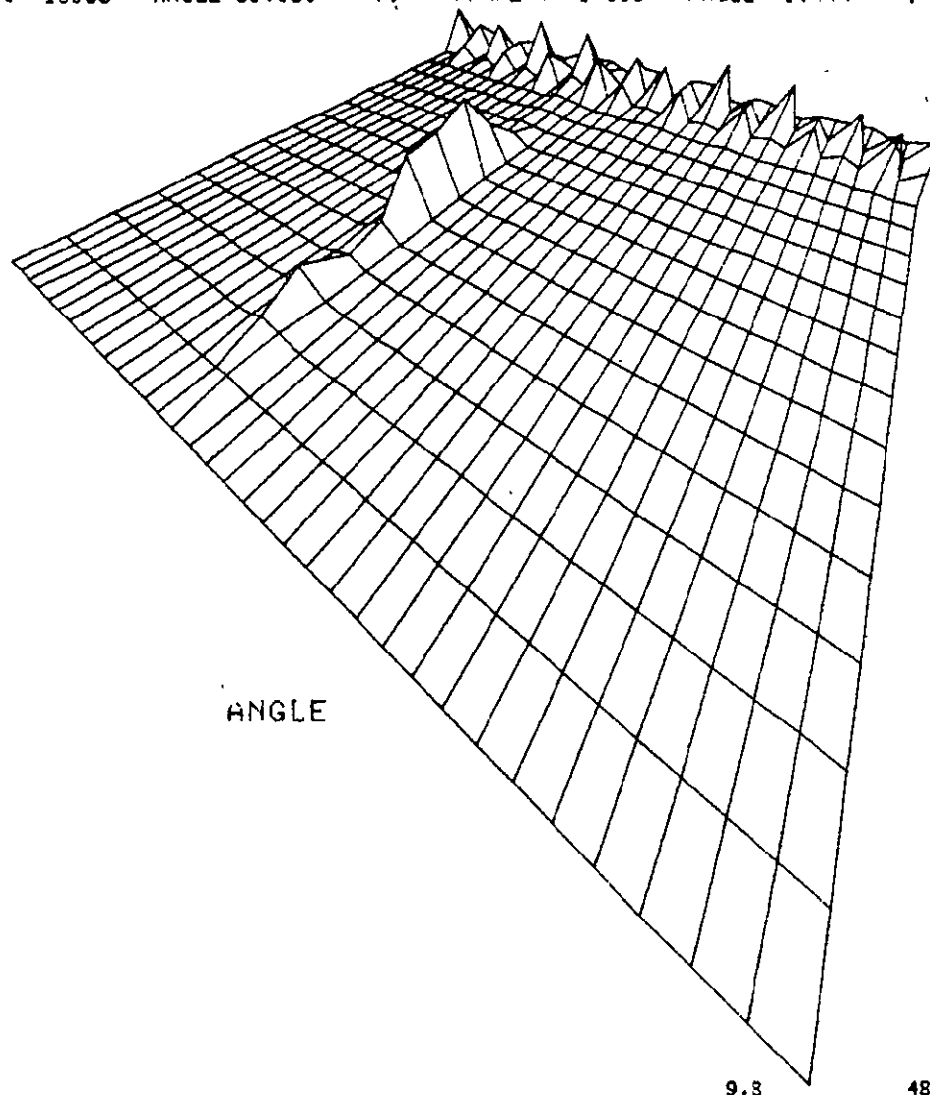
OPTION # 11-1

MAXIMUM I = 40.0

AVERAGE I = 1.6

ANGLE  
 1 64.7  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.8  
 6 59.1  
 7 57.2  
 8 55.5  
 9 53.7  
 10 51.9  
 11 50.3  
 12 48.6  
 13 47.0  
 14 45.2  
 15 43.5  
 16 41.9  
 17 40.1  
 18 38.3  
 19 36.5  
 20 34.8  
 21 33.1  
 22 31.3  
 23 29.6  
 24 27.9  
 25 26.1  
 26 24.3  
 27 22.5  
 28 20.7  
 29 19.0  
 30 17.2  
 31 15.5  
 32 13.7  
 33 11.9  
 34 10.4  
 35 9.8

64.7



143.3

R  
 1 143.3  
 2 163.1  
 3 182.9  
 4 202.6  
 5 222.6  
 6 242.4  
 7 262.2  
 8 282.0  
 9 301.8  
 10 321.6  
 11 341.5  
 12 361.3  
 13 381.1  
 14 400.9  
 15 420.7  
 16 440.5  
 17 459.2

R

ANGLE

9.8

480.2

IMAX, R, A DISPLAY

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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 2110  
 \* SCAN # 20 FRAME # 13966 ANGLE 65.060 TO FRAME # 14599 ANGLE 3.444 CRITICAL AMP AT CELL 62

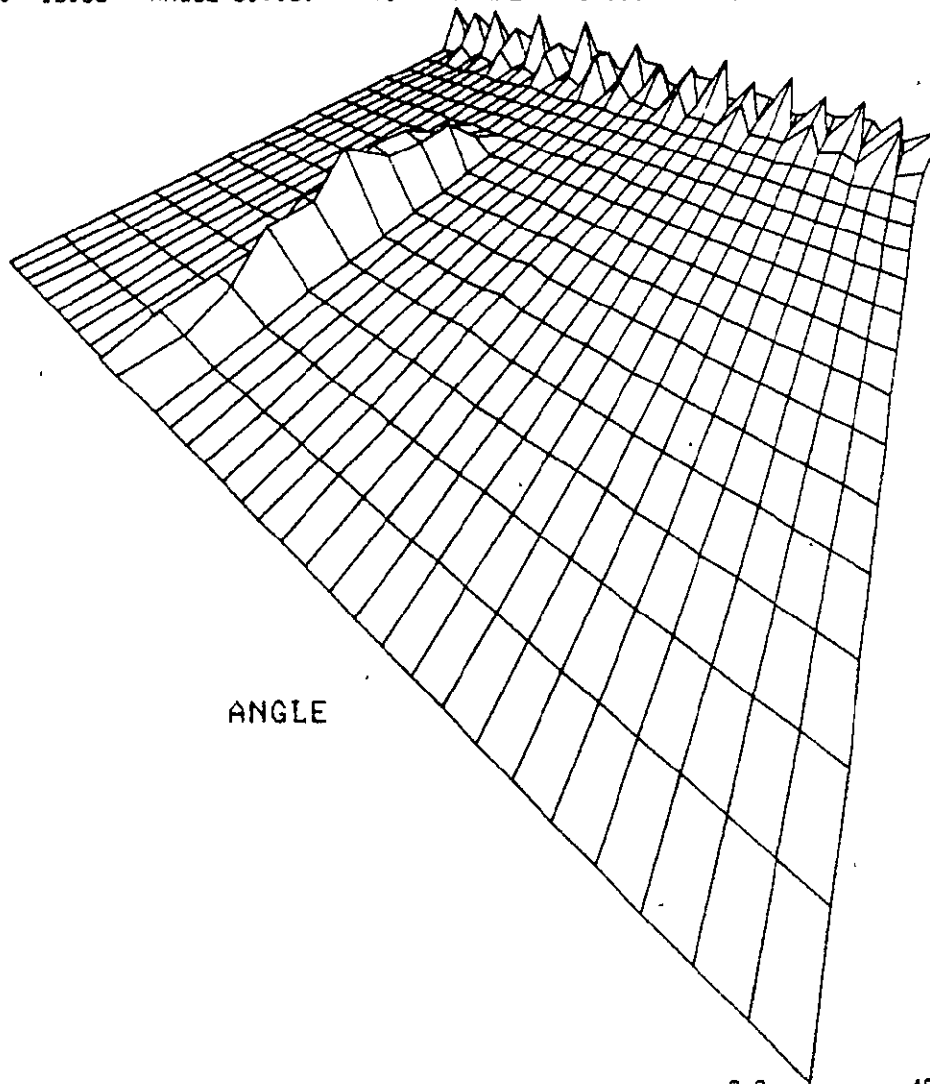
OPTION # 11-2

MAXIMUM I = 65.0

AVERAGE I = 4.0

ANGLE  
 1 64.7  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.8  
 6 59.1  
 7 57.2  
 8 55.5  
 9 53.7  
 10 51.9  
 11 50.3  
 12 48.6  
 13 47.0  
 14 45.2  
 15 43.5  
 16 41.9  
 17 40.1  
 18 38.3  
 19 36.5  
 20 34.8  
 21 33.1  
 22 31.3  
 23 29.6  
 24 27.9  
 25 26.1  
 26 24.3  
 27 22.5  
 28 20.7  
 29 19.0  
 30 17.2  
 31 15.5  
 32 13.7  
 33 11.9  
 34 10.4  
 35 9.8

64.7



ANGLE

143.3

R  
 1 143.3  
 2 163.1  
 3 182.9  
 4 202.8  
 5 222.6  
 6 242.4  
 7 262.2  
 8 282.0  
 9 301.8  
 10 321.6  
 11 341.5  
 12 361.3  
 13 381.1  
 14 400.9  
 15 420.7  
 16 440.5  
 17 460.2

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9.8

460.2

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 20 FRAME # 13966 ANGLE 65.060 TO FRAME # 14599 ANGLE 9.444 CRITICAL AMP AT CELL 62

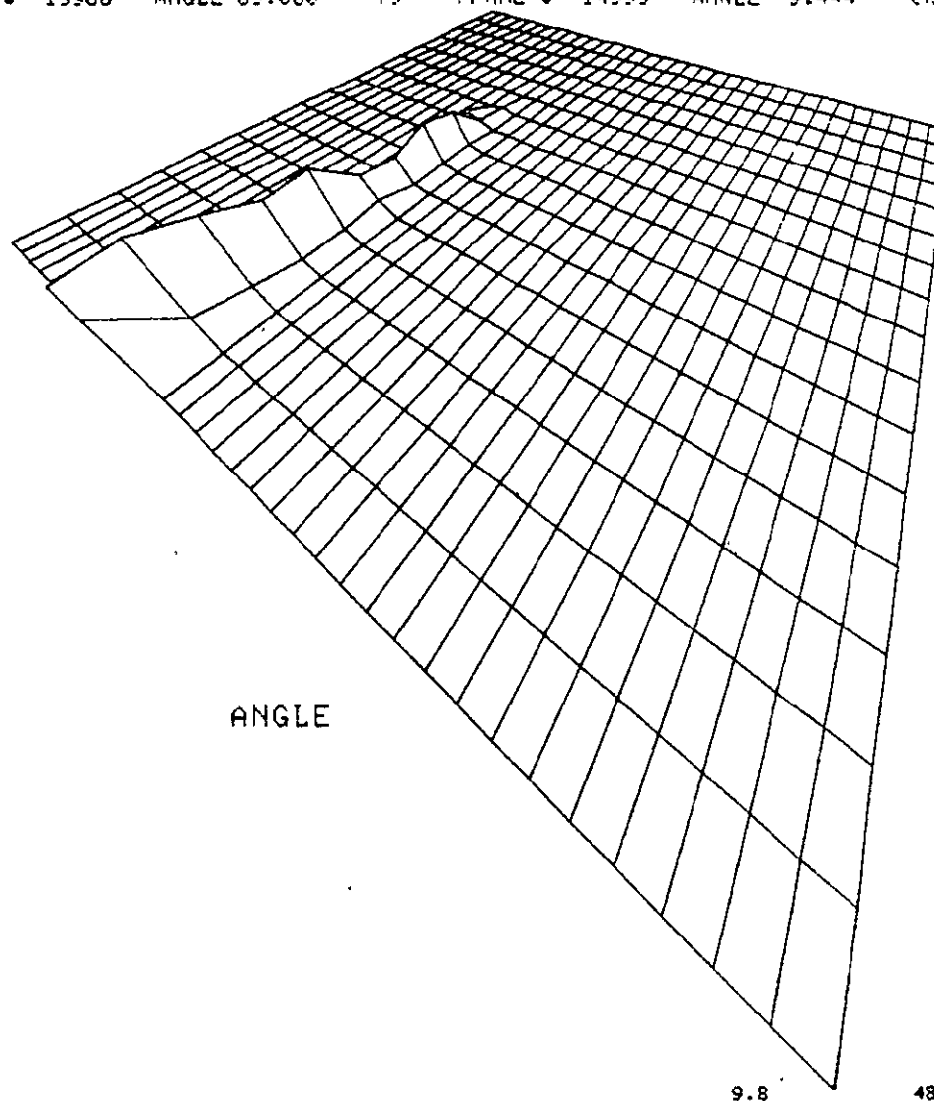
OPTION # 12-1 .

MAXIMUM I = 22.0

AVERAGE I = 0.3

ANGLE  
 1 64.7  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.8  
 6 59.1  
 7 57.2  
 8 55.5  
 9 53.7  
 10 51.9  
 11 50.3  
 12 48.6  
 13 47.0  
 14 45.2  
 15 43.5  
 16 41.9  
 17 40.1  
 18 38.3  
 19 36.5  
 20 34.8  
 21 33.1  
 22 31.3  
 23 29.6  
 24 27.9  
 25 26.1  
 26 24.3  
 27 22.5  
 28 20.7  
 29 19.0  
 30 17.2  
 31 15.5  
 32 13.7  
 33 11.9  
 34 10.4  
 35 9.8

64.7



143.3

70

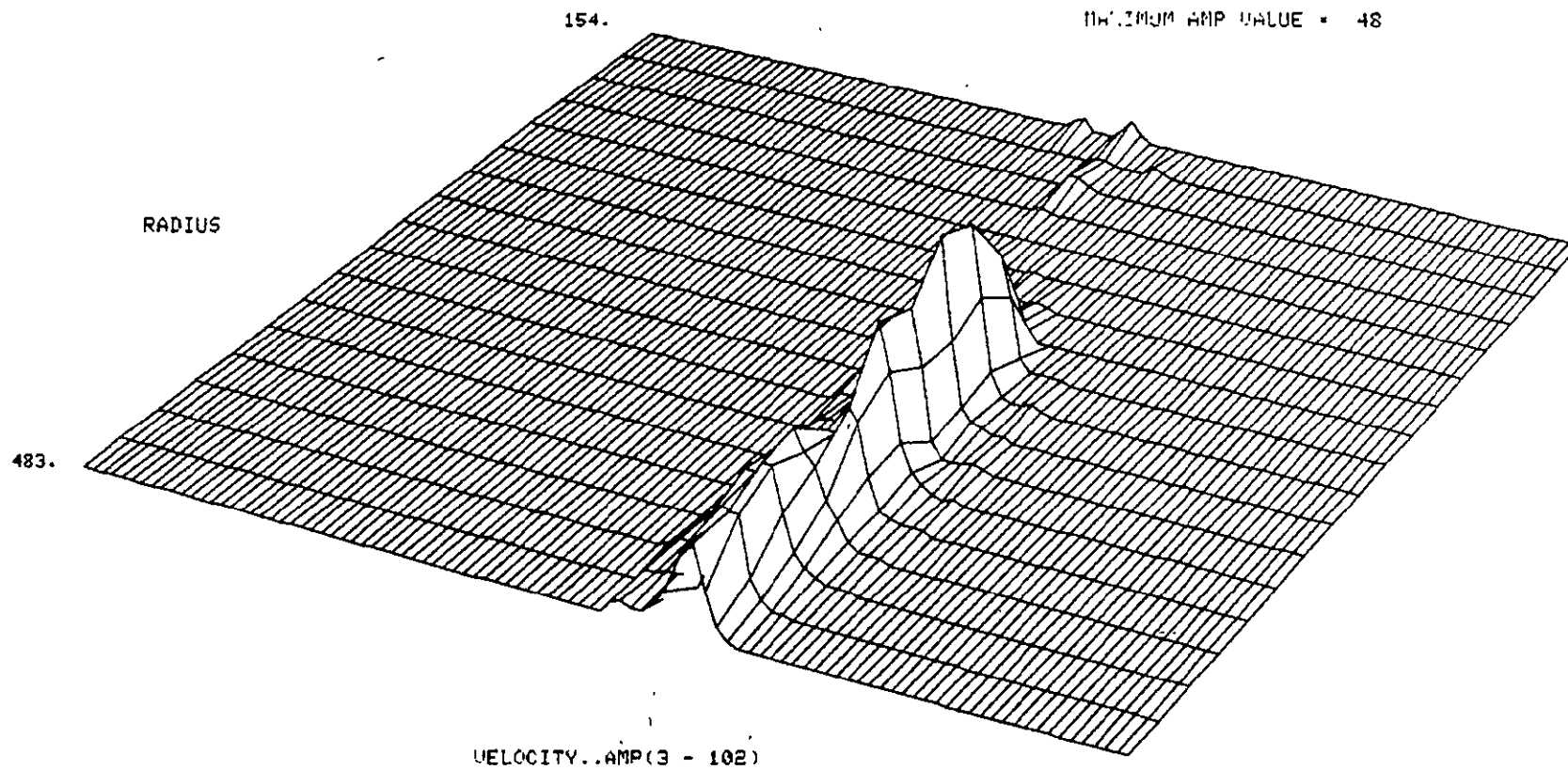
9.8

430.2

P  
 1 143.3  
 2 163.1  
 3 182.9  
 4 202.8  
 5 222.6  
 6 242.4  
 7 262.2  
 8 282.0  
 9 301.8  
 10 321.6  
 11 341.5  
 12 361.3  
 13 381.1  
 14 400.9  
 15 420.7  
 16 440.5  
 17 430.2

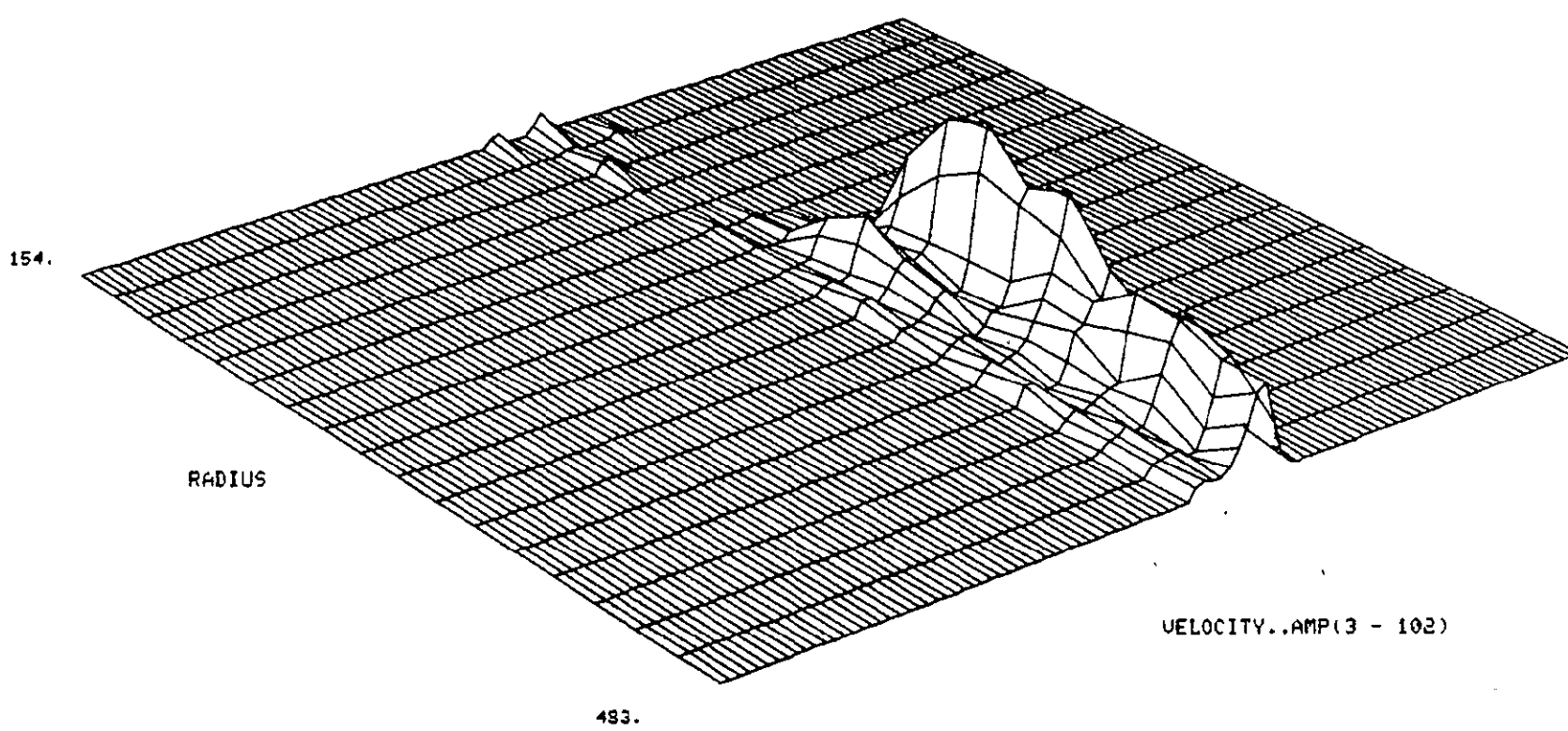
I, R, A DISPLAY AT VELOCITY CELL 62

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TUBE 1 OF 2- 5110  
 SCAN # 20 FRAME # 13966 ANGLE 65.060 TO FRAME # 14599 ANGLE 9.444 CRITICAL AMP AT CELL 62  
 FRAME # 14162 TO 14180  
 ANGLE = 48.56  
 MAXIMUM AMP VALUE = 48





\* NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 20 FRAME # 13966 ANGLE 65.060 TO FRAME # 14599 ANGLE 9.444 CRITICAL AMP AT CELL 62  
 FRAME # 14162 TO 14180  
 ANGLE = 48.56  
 MAXIMUM AMP VALUE = 48



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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 20 FRAME # 13966 ANGLE 65.060 TO FRAME # 14599 ANGLE 9.444 CRITICAL AMP AT CELL 62

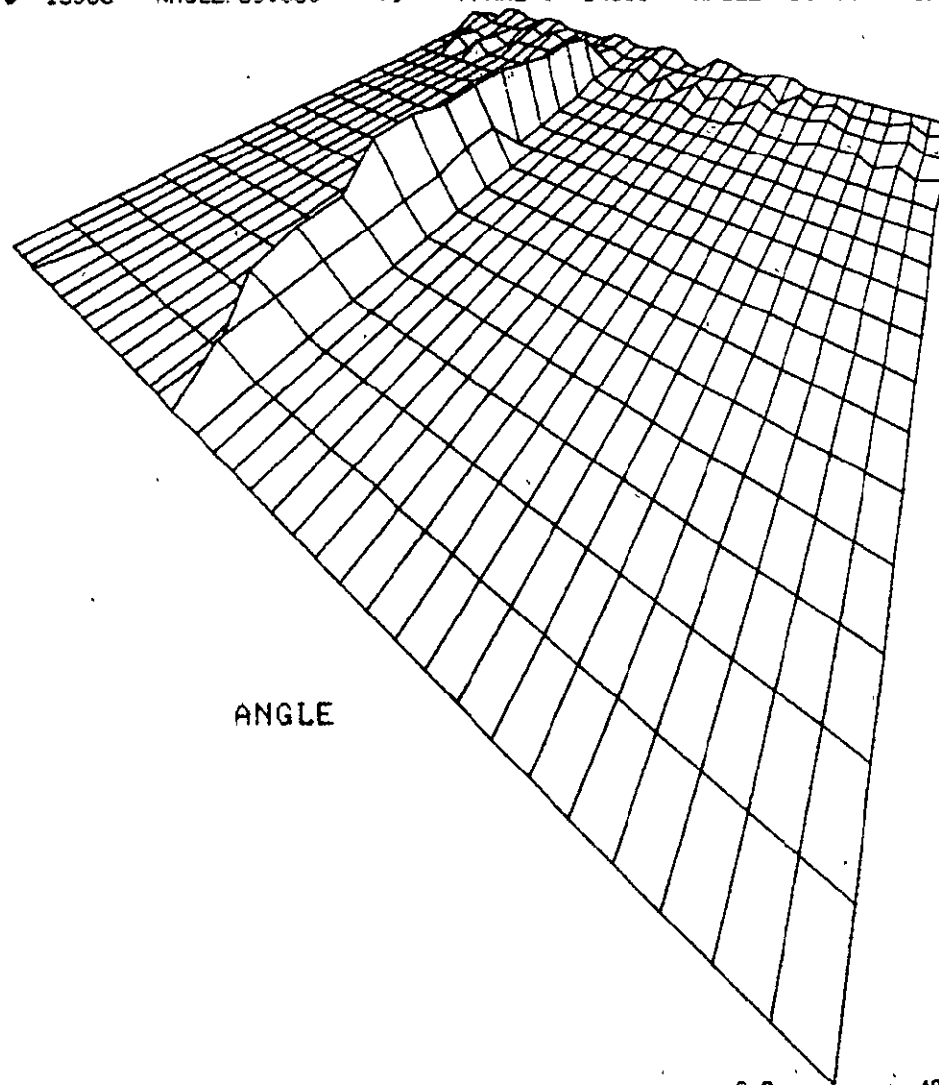
OPTION # 21-1

MAXIMUM U = 12.0

AVERAGE U = 1.5

ANGLE  
 1 64.7  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.8  
 6 59.1  
 7 57.2  
 8 55.5  
 9 53.7  
 10 51.9  
 11 50.3  
 12 48.6  
 13 47.0  
 14 45.2  
 15 43.5  
 16 41.9  
 17 40.1  
 18 38.3  
 19 36.5  
 20 34.8  
 21 33.1  
 22 31.3  
 23 29.6  
 24 27.9  
 25 26.1  
 26 24.3  
 27 22.5  
 28 20.7  
 29 19.0  
 30 17.2  
 31 15.5  
 32 13.7  
 33 11.9  
 34 10.4  
 35 9.8

64.7



143.3

R  
 1 143.3  
 2 163.1  
 3 182.9  
 4 202.8  
 5 222.6  
 6 242.4  
 7 262.2  
 8 282.0  
 9 301.8  
 10 321.6  
 11 341.5  
 12 361.3  
 13 381.1  
 14 400.9  
 15 420.7  
 16 440.5  
 17 460.2

R

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 OF POOR QUALITY

9.8

480.2

U, R, A. DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 20 FRAME # 13966 ANGLE 65.060 TO FRAME # 14599 ANGLE 9.444 CRITICAL AMP AT CELL 62  
 OPTION # 21-2

MAXIMUM U = 13.0  
 AVERAGE U = 2.5

ANGLE  
 1 64.7  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.8  
 6 59.1  
 7 57.2  
 8 55.5  
 9 53.7  
 10 51.9  
 11 50.3  
 12 48.6  
 13 47.0  
 14 45.2  
 15 43.5  
 16 41.9  
 17 40.1  
 18 38.3  
 19 36.5  
 20 34.8  
 21 33.1  
 22 31.3  
 23 29.6  
 24 27.9  
 25 26.1  
 26 24.3  
 27 22.5  
 28 20.7  
 29 19.0  
 30 17.2  
 31 15.5  
 32 13.7  
 33 11.9  
 34 10.4  
 35 9.8

64.7

ANGLE

9.8

143.3

R

480.2

R  
 1 143.3  
 2 163.1  
 3 182.9  
 4 202.8  
 5 222.6  
 6 242.4  
 7 262.2  
 8 282.0  
 9 301.8  
 10 321.6  
 11 341.5  
 12 361.3  
 13 381.1  
 14 400.9  
 15 420.7  
 16 440.5  
 17 460.2

U, R, A DISPLAY (VELOCITY AT I<sub>MAX</sub>)

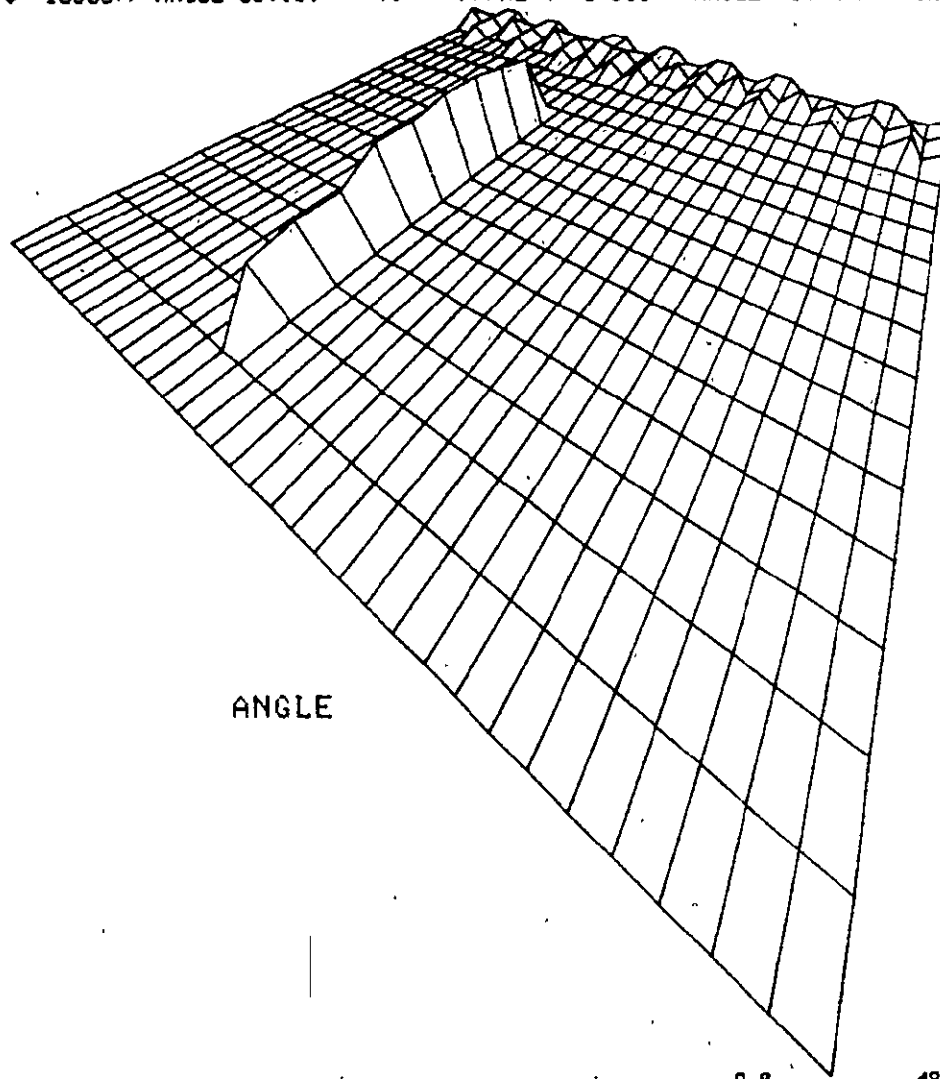
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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 20 FRAME # 13966 ANGLE 65.060 TO FRAME # 14599 ANGLE 9.444 CRITICAL AMP AT CELL 62  
 OPTION # 22-1

MAXIMUM U = 13.0  
 AVERAGE U = 1.3

ANGLE  
 1 64.7  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.8  
 6 59.1  
 7 57.2  
 8 55.5  
 9 53.7  
 10 51.9  
 11 50.3  
 12 48.6  
 13 47.0  
 14 45.2  
 15 43.5  
 16 41.9  
 17 40.1  
 18 38.3  
 19 36.5  
 20 34.8  
 21 33.1  
 22 31.3  
 23 29.6  
 24 27.9  
 25 26.1  
 26 24.3  
 27 22.5  
 28 20.7  
 29 19.0  
 30 17.2  
 31 15.5  
 32 13.7  
 33 11.9  
 34 10.4  
 35 9.8

64.7



143.3

R  
 1 143.3  
 2 163.1  
 3 182.9  
 4 202.8  
 5 222.6  
 6 242.4  
 7 262.2  
 8 282.0  
 9 301.8  
 10 321.6  
 11 341.5  
 12 361.3  
 13 381.1  
 14 400.9  
 15 420.7  
 16 440.5  
 17 460.2

R

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 OF POOR QUALITY

9.8

480.2

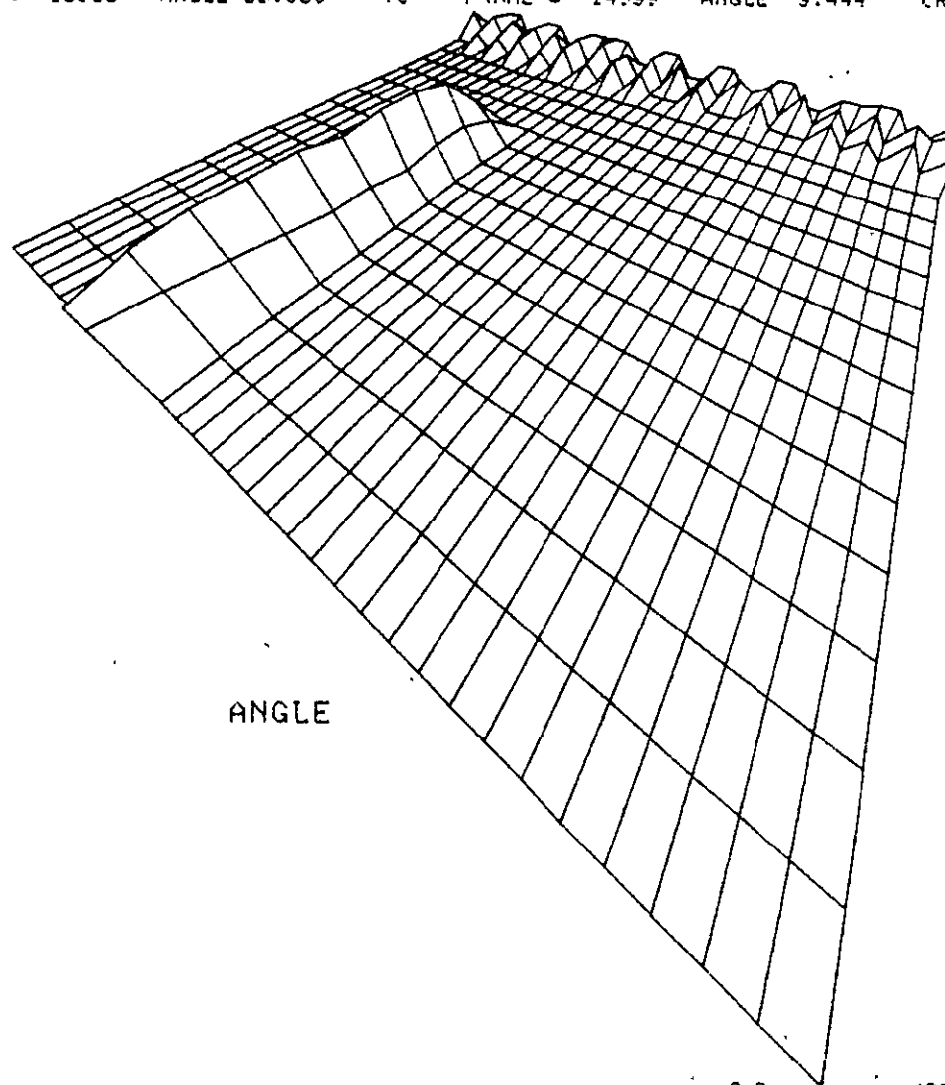
U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = .5

NASA PROJECT DUST DEVIL DAY 235 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 20 FRAME # 13966 ANGLE 65.060 TO FRAME # 14599 ANGLE 9.444 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 15.0  
 AVERAGE U = 1.8

ANGLE  
 1 64.7  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.8  
 6 59.1  
 7 57.2  
 8 55.5  
 9 53.7  
 10 51.9  
 11 50.3  
 12 48.6  
 13 47.0  
 14 45.2  
 15 43.5  
 16 41.9  
 17 40.1  
 18 38.3  
 19 36.5  
 20 34.8  
 21 33.1  
 22 31.3  
 23 29.6  
 24 27.9  
 25 26.1  
 26 24.3  
 27 22.5  
 28 20.7  
 29 19.0  
 30 17.2  
 31 15.5  
 32 13.7  
 33 11.9  
 34 10.4  
 35 9.2

64.7



143.3

R  
 1 143.3  
 2 163.1  
 3 182.9  
 4 202.8  
 5 222.6  
 6 242.4  
 7 262.2  
 8 282.0  
 9 301.8  
 10 321.6  
 11 341.5  
 12 361.3  
 13 381.1  
 14 400.9  
 15 420.7  
 16 440.5  
 17 460.2

R

ANGLE

9.2

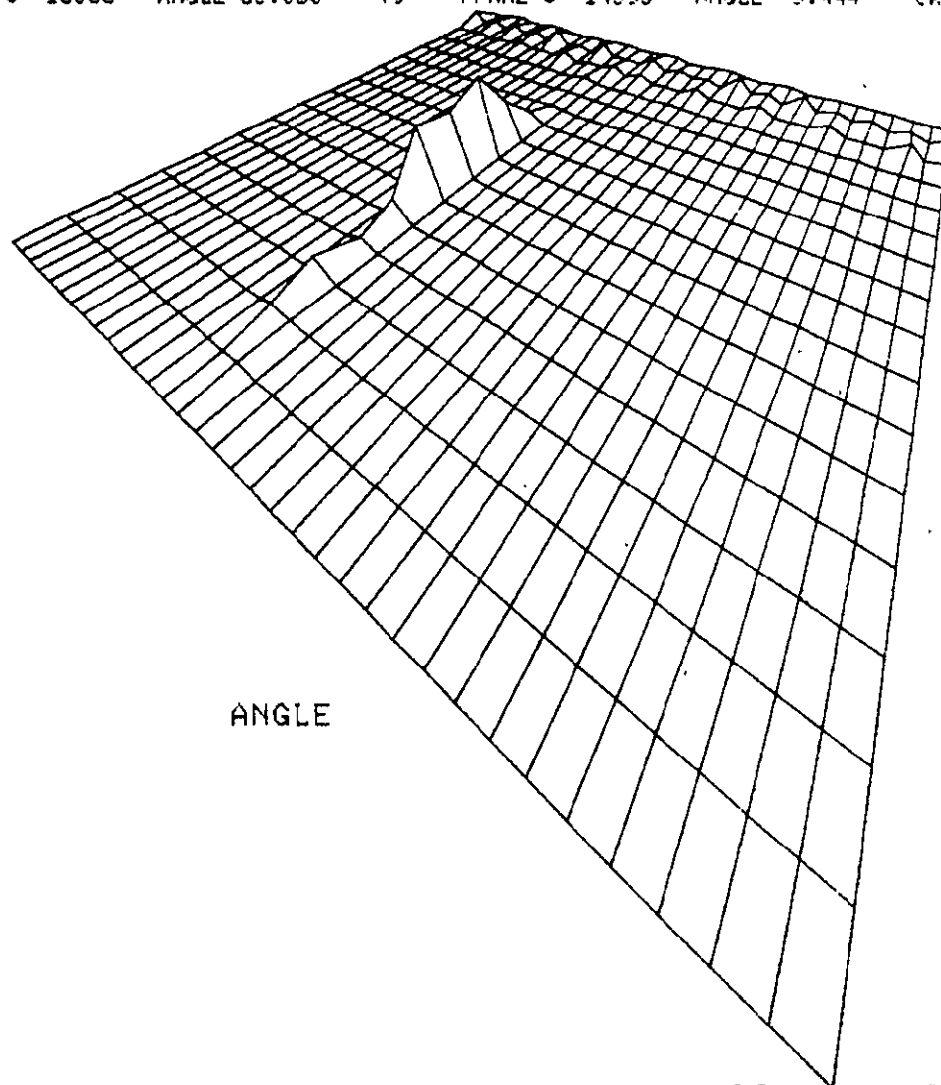
480.2

U<sub>MAX</sub>, P, A DISPLAY AMPLITUDE THRESHOLD AT 1 = 10

NASA PROJECT DUST DEVIL DAY 235 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 20 FRAME # 13966 ANGLE 65.060 TO FRAME # 14599 ANGLE 9.444 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 64.7  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.8  
 6 59.1  
 7 57.2  
 8 55.5  
 9 53.7  
 10 51.9  
 11 50.3  
 12 48.6  
 13 47.0  
 14 45.2  
 15 43.5  
 16 41.9  
 17 40.1  
 18 38.3  
 19 36.5  
 20 34.8  
 21 33.1  
 22 31.3  
 23 29.6  
 24 27.9  
 25 26.1  
 26 24.3  
 27 22.5  
 28 20.7  
 29 19.0  
 30 17.2  
 31 15.5  
 32 13.7  
 33 11.9  
 34 10.4  
 35 9.8

64.7



ANGLE

9.8

480.2

143.3

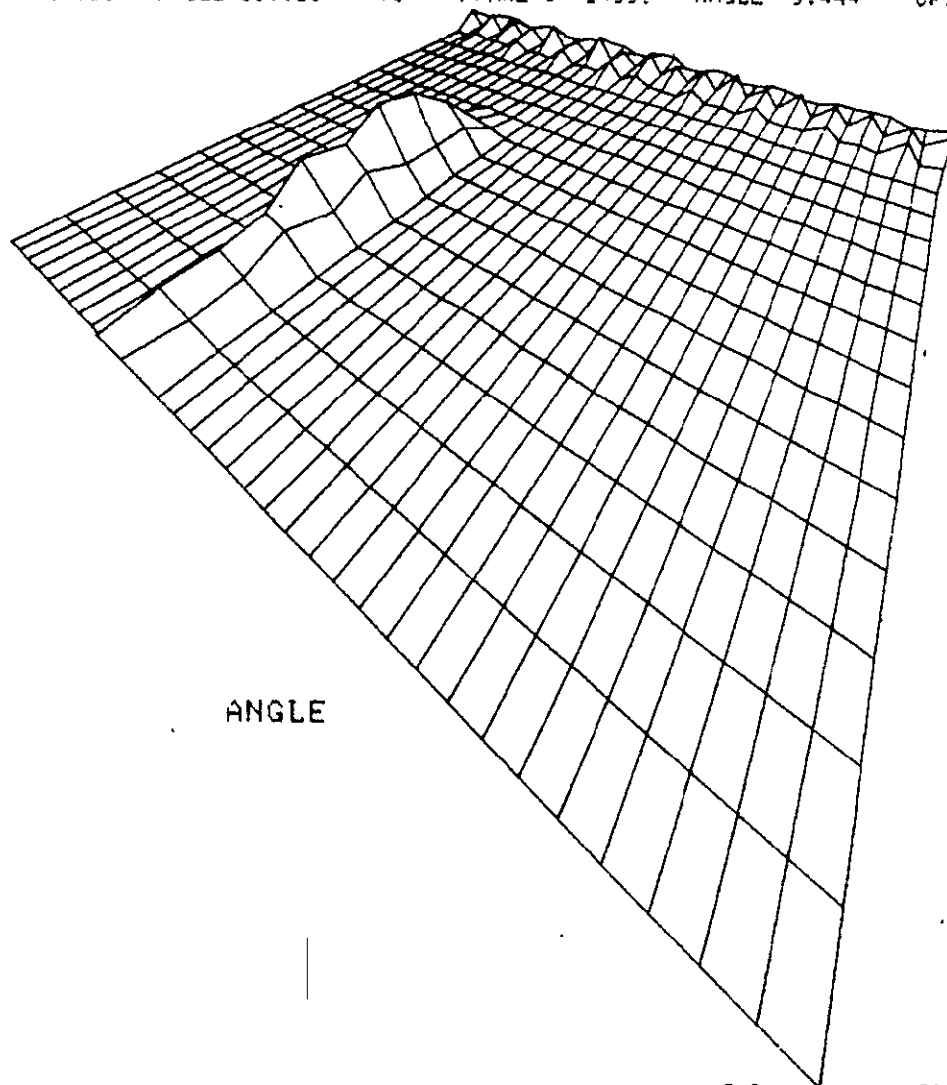
R  
 1 143.3  
 2 163.1  
 3 182.9  
 4 202.8  
 5 222.6  
 6 242.4  
 7 262.2  
 8 282.0  
 9 301.8  
 10 321.6  
 11 341.5  
 12 361.3  
 13 381.1  
 14 400.9  
 15 420.7  
 16 440.5  
 17 460.2

U \* I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 20 FRAME # 13966 ANGLE 65.060 TO FRAME # 14599 ANGLE 9.444 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 64.7  
 2 64.4  
 3 63.5  
 4 62.3  
 5 60.8  
 6 59.1  
 7 57.2  
 8 55.5  
 9 53.7  
 10 51.9  
 11 50.3  
 12 48.6  
 13 47.0  
 14 45.2  
 15 43.5  
 16 41.9  
 17 40.1  
 18 38.3  
 19 36.5  
 20 34.8  
 21 33.1  
 22 31.3  
 23 29.6  
 24 27.9  
 25 26.1  
 26 24.3  
 27 22.5  
 28 20.7  
 29 19.0  
 30 17.2  
 31 15.5  
 32 13.7  
 33 11.9  
 34 10.4  
 35 9.8

64.7



ANGLE

9.8

480.2

143.3

R

R  
 1 143.3  
 2 163.1  
 3 182.9  
 4 202.8  
 5 222.6  
 6 242.4  
 7 262.2  
 8 282.0  
 9 301.8  
 10 321.6  
 11 341.5  
 12 361.3  
 13 381.1  
 14 400.9  
 15 420.7  
 16 440.5  
 17 460.2

U \* IMAX, R, A DISPLAY

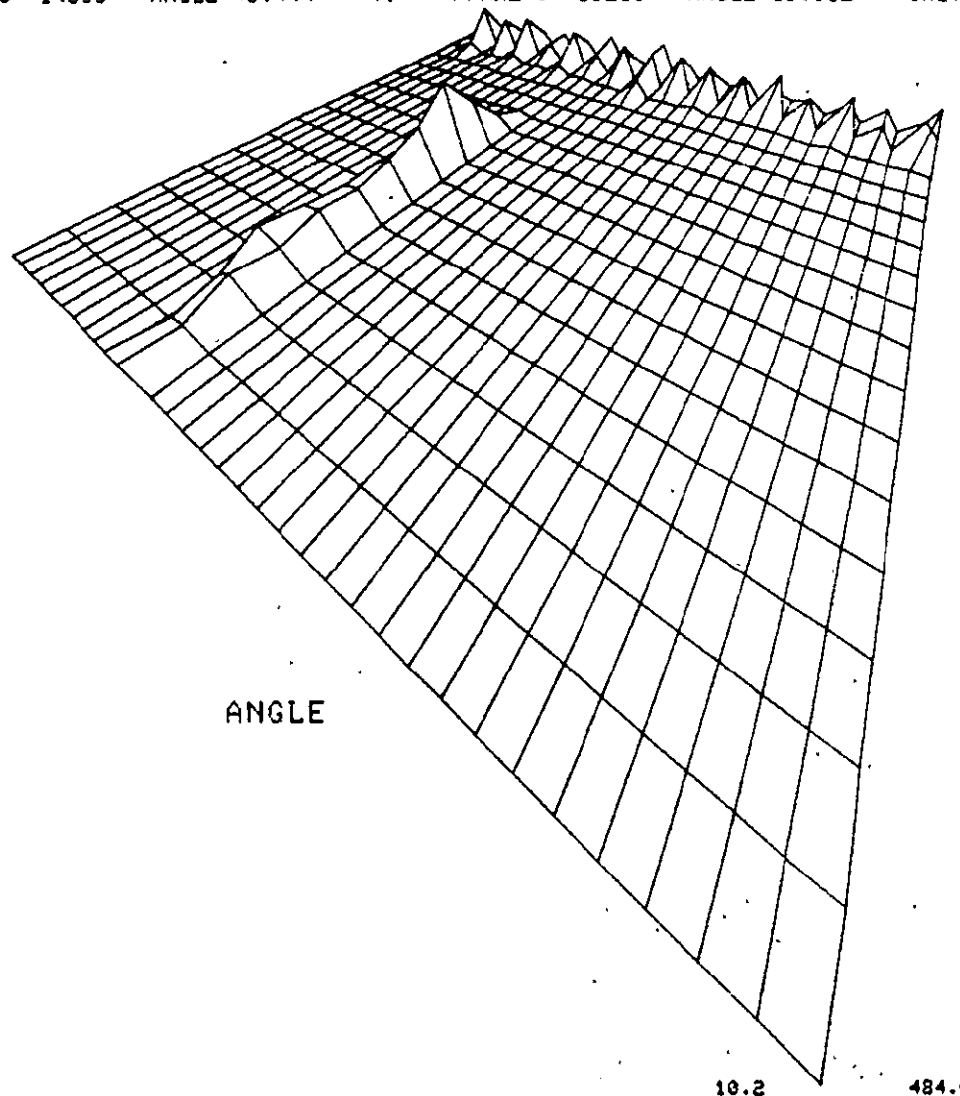
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NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 21 FRAME # 14599 ANGLE 9.444 TO FRAME # 15210 ANGLE 65.012 CRITICAL AMP AT CELL 62  
 OPTION # 11-1

MAXIMUM I = 44.0  
 AVERAGE I = 1.6

ANGLE  
 1 10.2  
 2 11.1  
 3 12.3  
 4 13.7  
 5 15.4  
 6 17.2  
 7 19.0  
 8 20.7  
 9 22.4  
 10 24.2  
 11 26.0  
 12 27.7  
 13 29.4  
 14 31.2  
 15 32.9  
 16 34.7  
 17 36.4  
 18 38.2  
 19 39.9  
 20 41.7  
 21 43.4  
 22 45.0  
 23 46.8  
 24 48.4  
 25 50.2  
 26 51.9  
 27 53.6  
 28 55.4  
 29 57.1  
 30 58.9  
 31 60.7  
 32 62.4  
 33 64.1  
 34 64.9

64.9



153.0

R  
 1 153.0  
 2 172.5  
 3 192.0  
 4 211.5  
 5 230.9  
 6 250.4  
 7 269.9  
 8 289.3  
 9 308.8  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.7  
 14 406.1  
 15 425.6  
 16 445.1  
 17 464.0

D

ANGLE

10.2

484.0

IMAX, R, A DISPLAY

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 OF POOR QUALITY



NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 21 FRAME # 14599 ANGLE 9.444 TO FRAME # 15210 ANGLE 65.012 CRITICAL AMP AT CELL 62

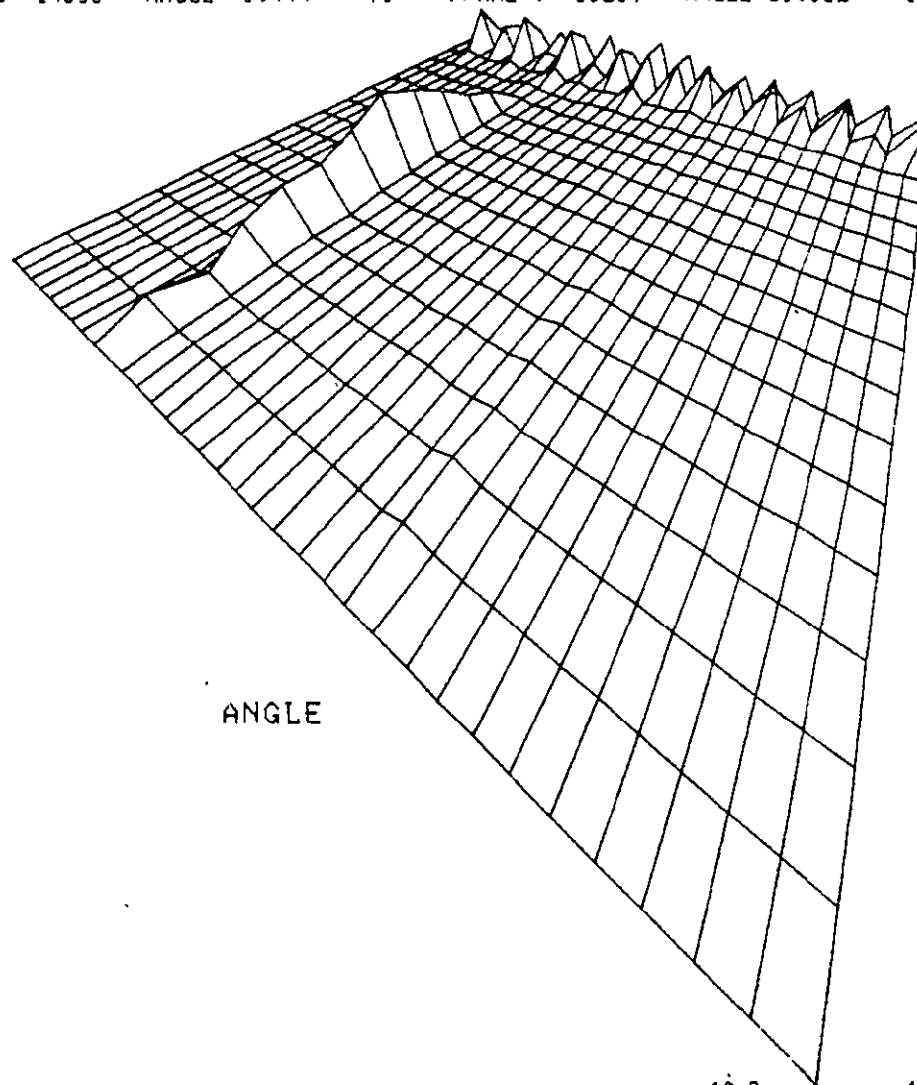
OPTION # 11-2

MAXIMUM I = 71.0

AVERAGE I = 3.6

ANGLE  
 1 10.2  
 2 11.1  
 3 12.3  
 4 13.7  
 5 15.4  
 6 17.2  
 7 19.0  
 8 20.7  
 9 22.4  
 10 24.2  
 11 26.0  
 12 27.7  
 13 29.4  
 14 31.2  
 15 32.9  
 16 34.7  
 17 36.4  
 18 38.2  
 19 39.9  
 20 41.7  
 21 43.4  
 22 45.0  
 23 46.8  
 24 48.4  
 25 50.2  
 26 51.9  
 27 53.6  
 28 55.4  
 29 57.1  
 30 58.9  
 31 60.7  
 32 62.4  
 33 64.1  
 34 64.9

64.9



153.0

R  
 1 153.0  
 2 172.5  
 3 192.0  
 4 211.5  
 5 230.3  
 6 250.4  
 7 269.9  
 8 289.3  
 9 309.8  
 10 329.3  
 11 347.7  
 12 367.2  
 13 386.7  
 14 406.1  
 15 425.6  
 16 445.1  
 17 464.0

R

10.2

484.0

I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 21 FRAME # 14599 ANGLE 9.444 TO FRAME # 15210 ANGLE 65.012 CRITICAL AMP AT CELL 62

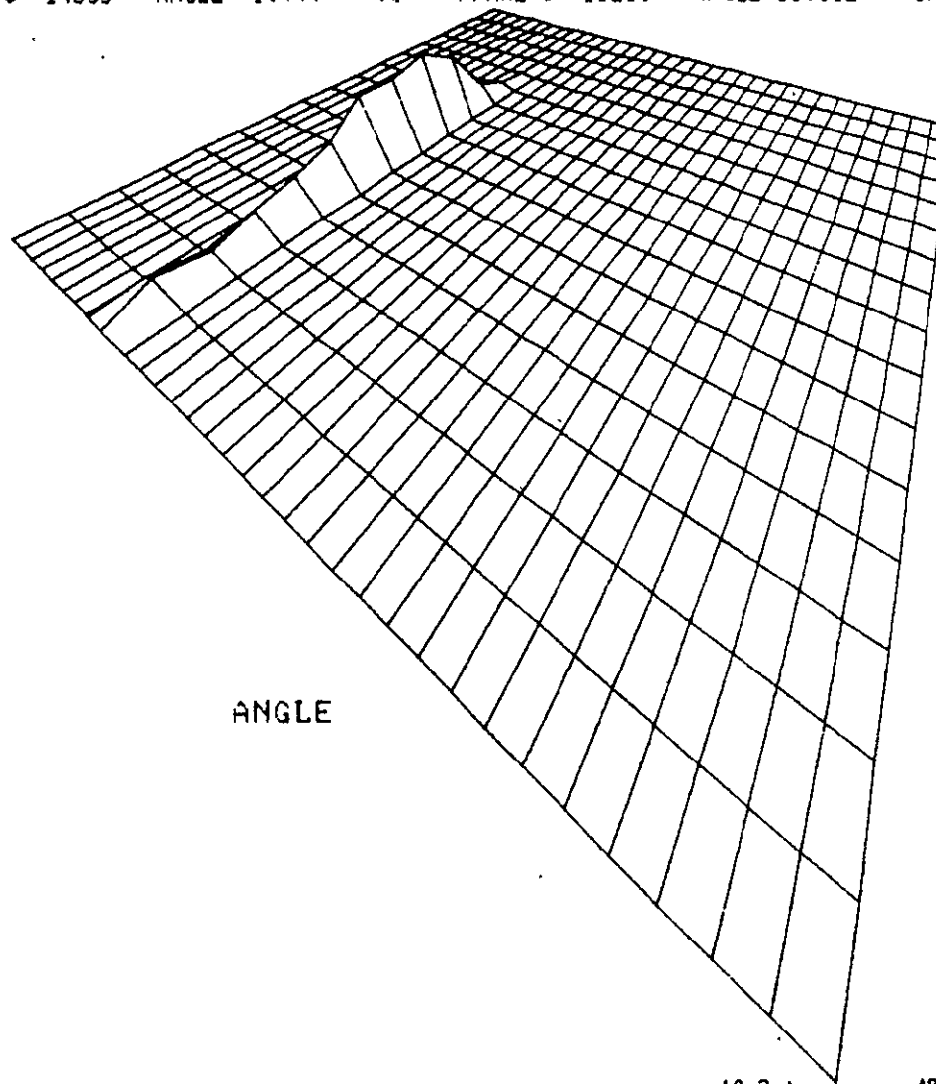
OPTION # 12-1

MAXIMUM I = 61.0

AVERAGE I = 0.8

ANGLE  
 1 10.2  
 2 11.1  
 3 12.3  
 4 13.7  
 5 15.4  
 6 17.2  
 7 19.0  
 8 20.7  
 9 22.4  
 10 24.2  
 11 26.0  
 12 27.7  
 13 29.4  
 14 31.2  
 15 32.9  
 16 34.7  
 17 36.4  
 18 38.2  
 19 39.9  
 20 41.7  
 21 43.4  
 22 45.0  
 23 46.8  
 24 48.4  
 25 50.2  
 26 51.9  
 27 53.6  
 28 55.4  
 29 57.1  
 30 58.9  
 31 60.7  
 32 62.4  
 33 64.1  
 34 64.9

64.9



153.0

P

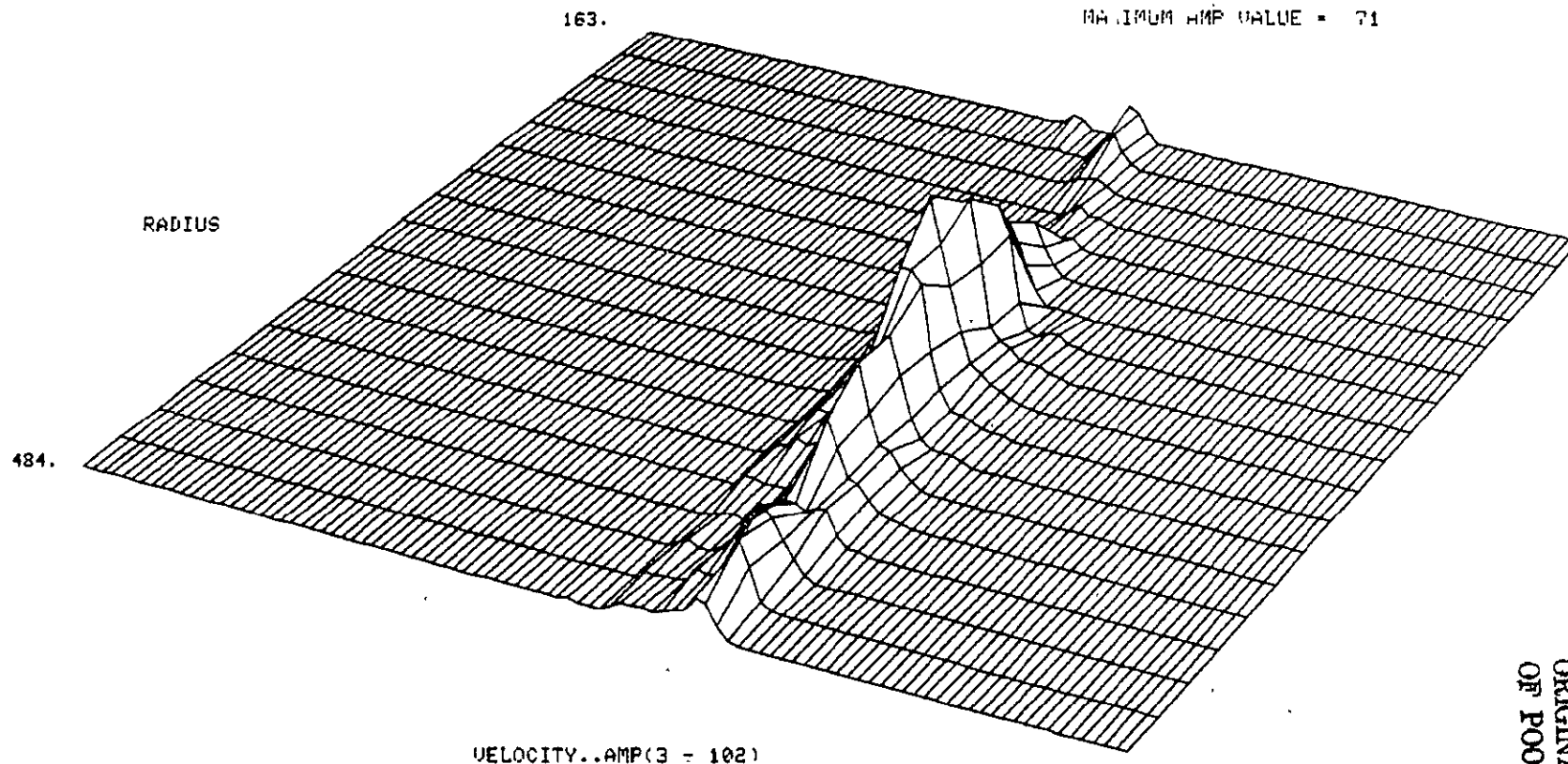
R  
 1 153.0  
 2 172.5  
 3 192.0  
 4 211.5  
 5 230.9  
 6 250.4  
 7 269.9  
 8 289.3  
 9 308.8  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.7  
 14 406.1  
 15 425.6  
 16 445.1  
 17 464.0

10.2

484.0

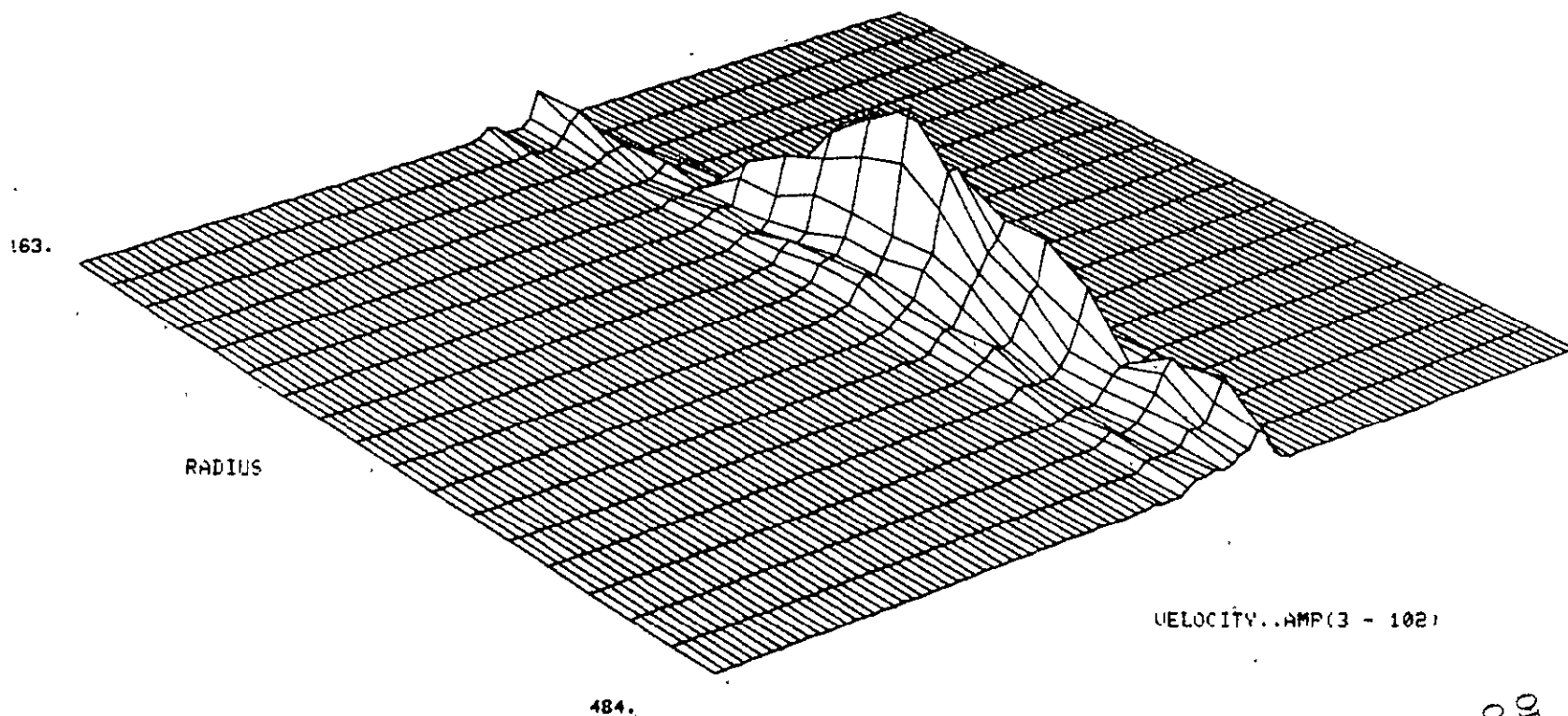
I, R, A DISPLAY AT VELOCITY CELL 62

\* NASA PROJECT DUST DEVIL DAY 238 PUN # 4 TAPE 1 OF 2- 2110  
 SCAN # 21 FRAME # 14599 ANGLE 9.444 TO FRAME # 15210 ANGLE 65.012 CRITICAL AMP AT CELL 62  
 FRAME # 15037 TO 15055  
 ANGLE = 50.25  
 MAXIMUM AMP VALUE = 71



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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
SCAN # 21 FRAME # 14599 ANGLE 9.444 TO FRAME # 15210 ANGLE 65.012 CRITICAL AMP AT CELL 62  
FRAME # 15037 TO 15055  
ANGLE = 50.25  
MAXIMUM AMP VALUE = 71



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OF POOR QUALITY

NASA PROJECT DUST DEVL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 21 FRAME # 14599 ANGLE 3.444 TO FRAME # 15210 ANGLE 65.012 CRITICAL AMP AT CELL 62

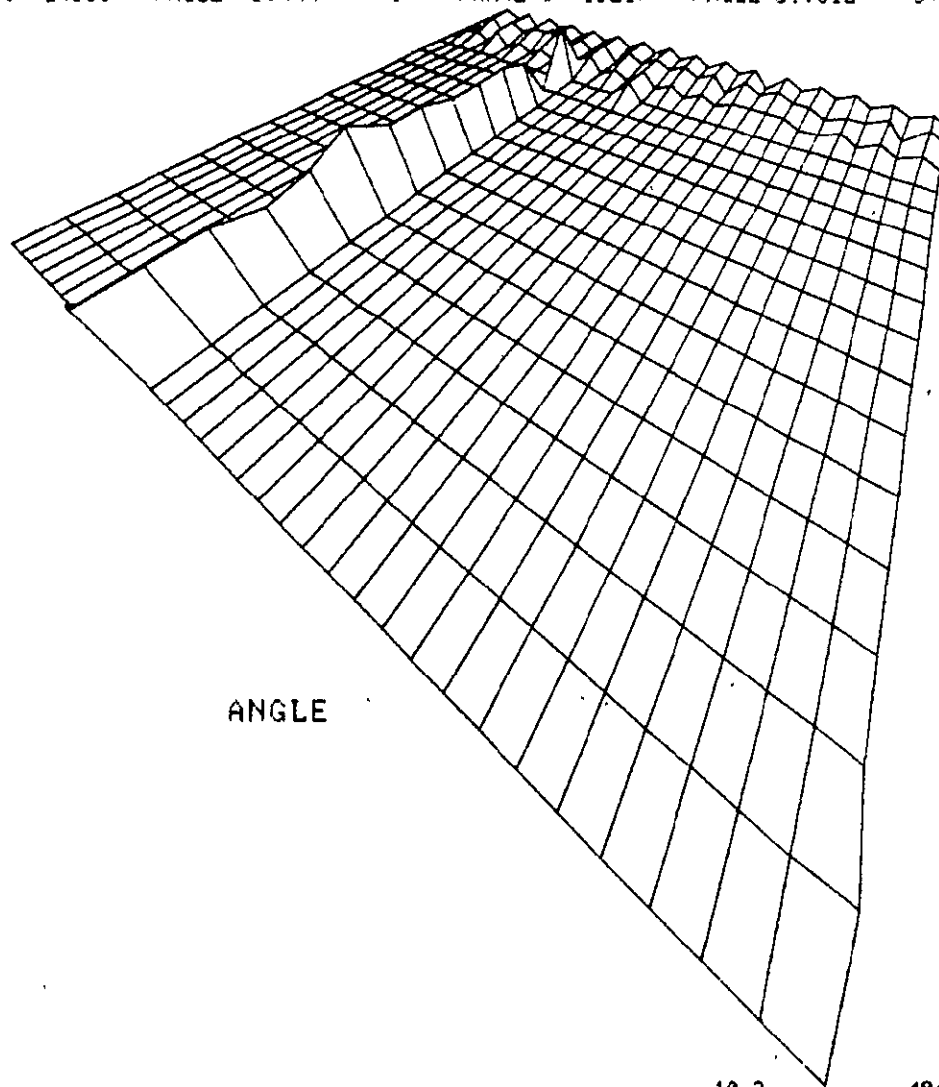
OPTION # 21-1

MAXIMUM U = 10.0

AVERAGE U = 1.4

ANGLE  
 1 10.2  
 2 11.1  
 3 12.3  
 4 13.7  
 5 15.4  
 6 17.2  
 7 19.0  
 8 20.7  
 9 22.4  
 10 24.2  
 11 26.0  
 12 27.7  
 13 29.4  
 14 31.2  
 15 32.9  
 16 34.7  
 17 36.4  
 18 38.2  
 19 39.9  
 20 41.7  
 21 43.4  
 22 45.0  
 23 46.8  
 24 48.4  
 25 50.2  
 26 51.9  
 27 53.6  
 28 55.4  
 29 57.1  
 30 58.9  
 31 60.7  
 32 62.4  
 33 64.1  
 34 64.9

64.9



153.0

R  
 1 153.0  
 2 172.5  
 3 192.0  
 4 211.5  
 5 230.9  
 6 250.4  
 7 269.9  
 8 289.3  
 9 308.8  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.7  
 14 406.1  
 15 425.6  
 16 445.1  
 17 464.6

R

ANGLE

10.2

484.0

U, R, A DISPLAY (VELOCITY AT I MAX)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 21 FRAME # 14599. ANGLE 9.444 TO FRAME # 15210 ANGLE 65.012 CRITICAL ANP AT CELL 62

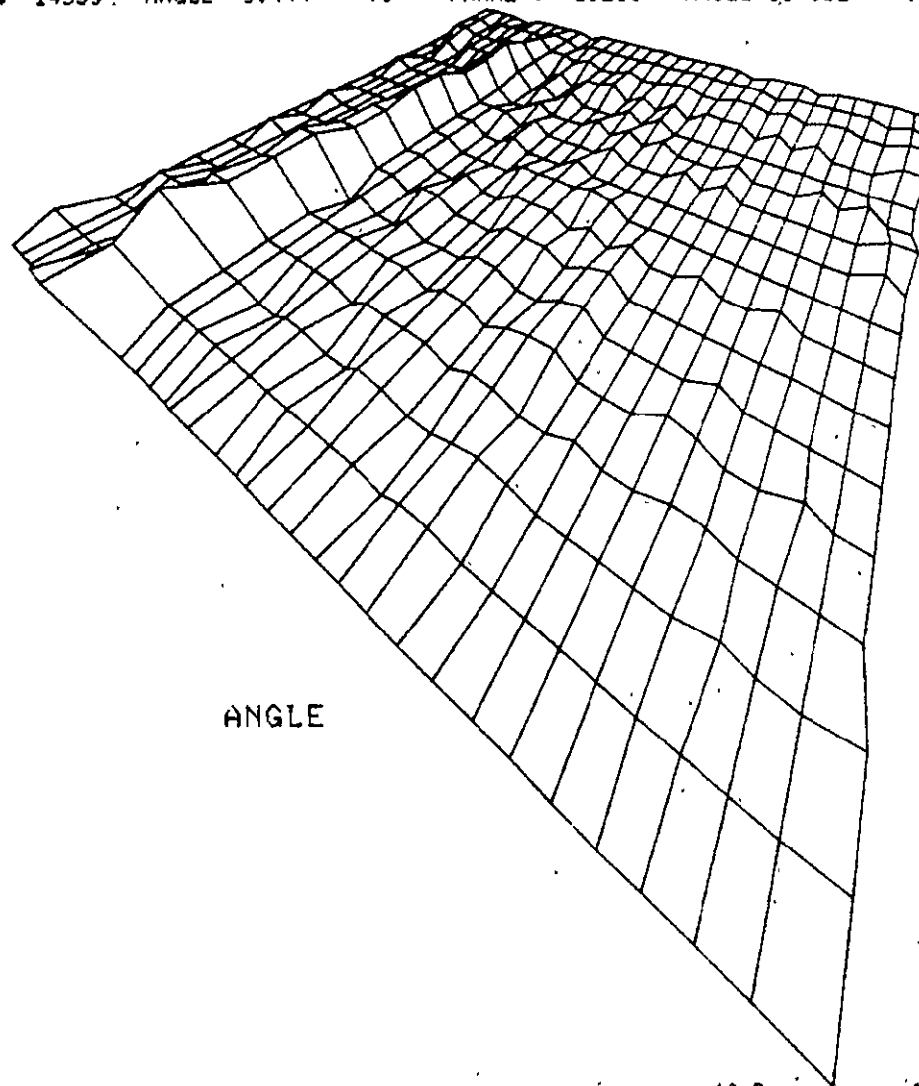
OPTION # 21-2

MAXIMUM U = 14.0

AVERAGE U = 2.5

ANGLE  
 1 10.2  
 2 11.1  
 3 12.3  
 4 13.7  
 5 15.4  
 6 17.2  
 7 19.0  
 8 20.7  
 9 22.4  
 10 24.2  
 11 26.0  
 12 27.7  
 13 29.4  
 14 31.2  
 15 32.9  
 16 34.7  
 17 36.4  
 18 38.2  
 19 39.9  
 20 41.7  
 21 43.4  
 22 45.0  
 23 46.8  
 24 48.4  
 25 50.2  
 26 51.9  
 27 53.6  
 28 55.4  
 29 57.1  
 30 58.9  
 31 60.7  
 32 62.4  
 33 64.1  
 34 64.9

64.9



ANGLE

10.2

153.0

U

R  
 1 153.0  
 2 172.5  
 3 192.0  
 4 211.5  
 5 230.9  
 6 250.4  
 7 269.9  
 8 289.3  
 9 308.8  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.7  
 14 406.1  
 15 425.6  
 16 445.1  
 17 464.0

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484.0

U, R, A DISPLAY (VELOCITY AT I<sub>MAX</sub>)

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 21 FRAME # 14599 ANGLE 9.444 TO FRAME # 15210 ANGLE 65.012 CRITICAL AMP AT CELL 62

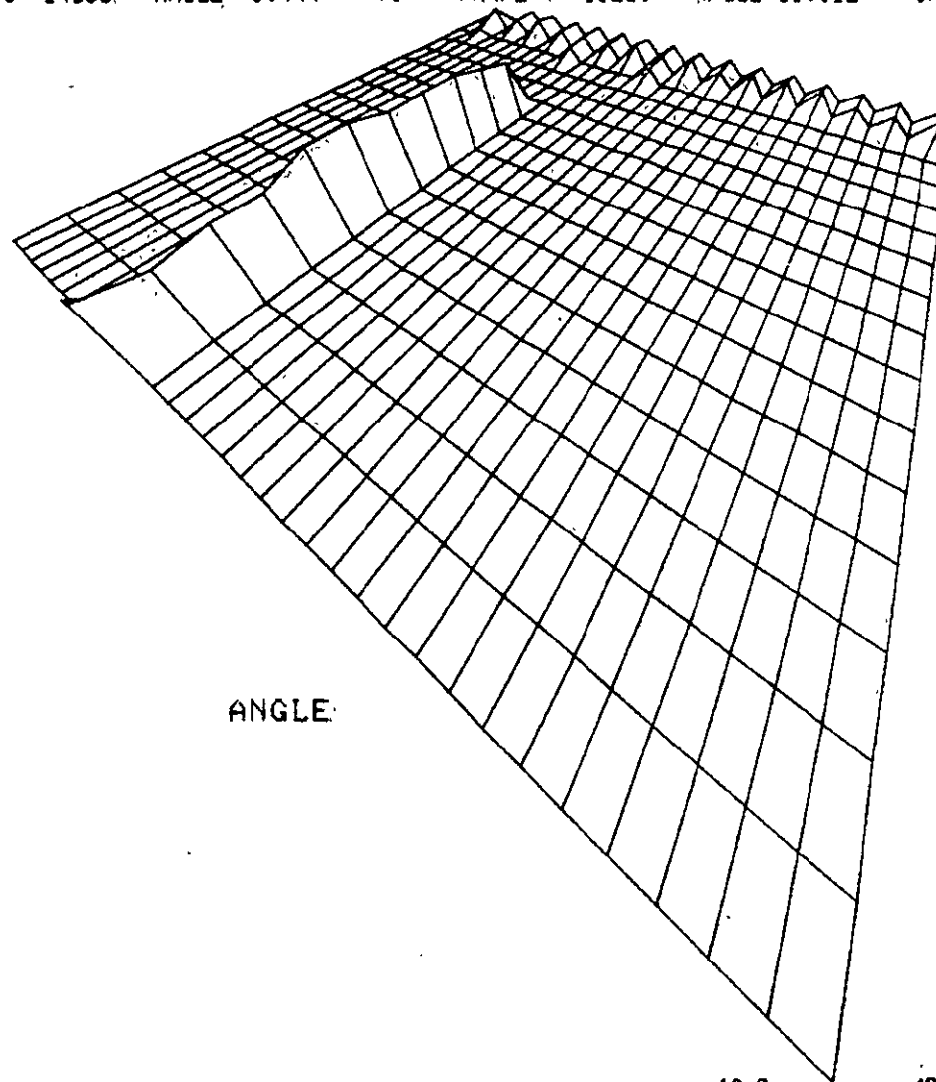
OPTION # 22-1

MAXIMUM U = 11.0

AVERAGE U = 1.4

ANGLE  
 1 10.2  
 2 11.1  
 3 12.3  
 4 13.7  
 5 15.4  
 6 17.2  
 7 19.0  
 8 20.7  
 9 22.4  
 10 24.2  
 11 26.0  
 12 27.7  
 13 29.4  
 14 31.2  
 15 32.9  
 16 34.7  
 17 36.4  
 18 38.2  
 19 39.9  
 20 41.7  
 21 43.4  
 22 45.0  
 23 46.8  
 24 48.4  
 25 50.2  
 26 51.9  
 27 53.6  
 28 55.4  
 29 57.1  
 30 58.9  
 31 60.7  
 32 62.4  
 33 64.1  
 34 64.9

64.9



153.0

R  
 1 153.0  
 2 172.5  
 3 192.0  
 4 211.5  
 5 230.9  
 6 250.4  
 7 269.9  
 8 289.3  
 9 308.8  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.7  
 14 406.1  
 15 425.6  
 16 445.1  
 17 464.0

R

10.2

484.0

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

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NASA PROJECT DUST DEVIL - DAY 238 PUN # 4 TAPE 1 OF 2- 2110  
 \* SCAN # 21 FRAME # 14599 ANGLE 9.444 TO FRAME # 15210 ANGLE 65.012 CRITICAL AMP AT CELL 62

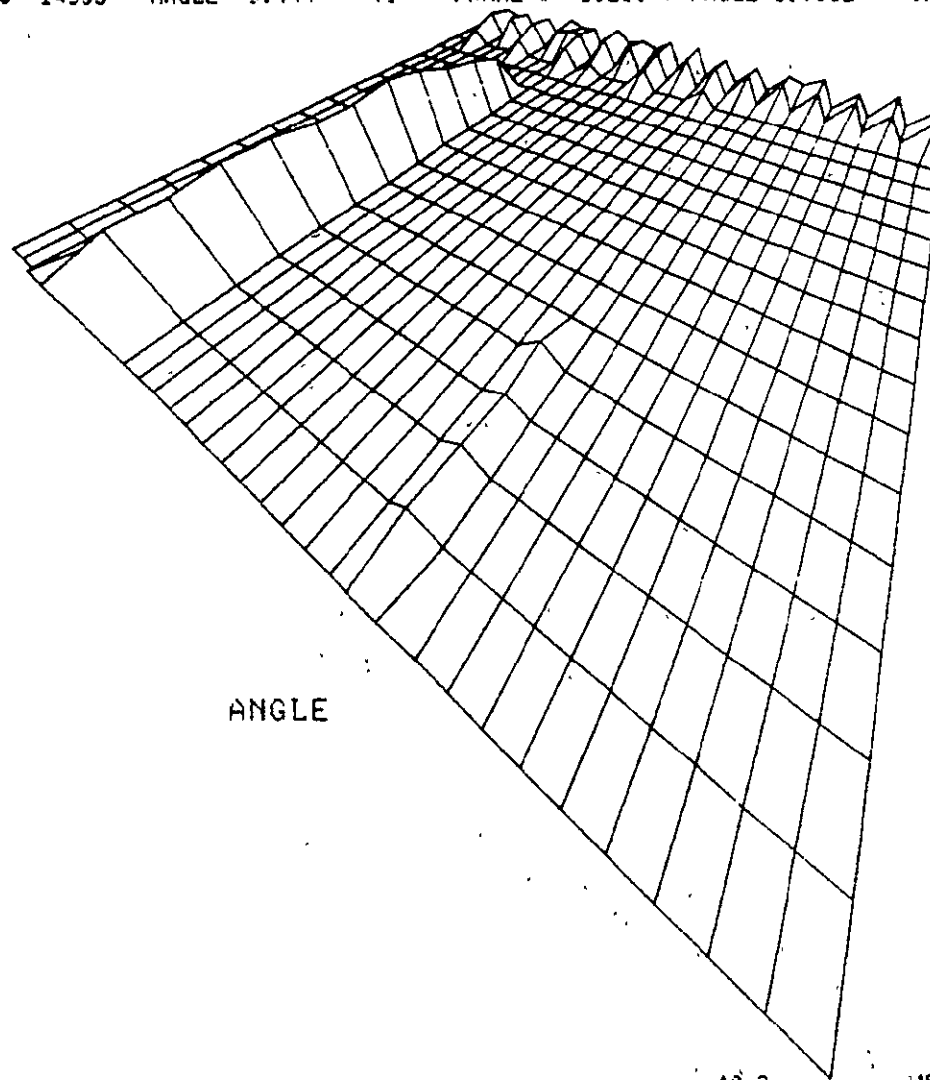
OPTION # 22-2

MAXIMUM U = 15.0

AVERAGE U = 1.8

ANGLE  
 1 10.2  
 2 11.1  
 3 12.3  
 4 13.7  
 5 15.4  
 6 17.2  
 7 19.0  
 8 20.7  
 9 22.4  
 10 24.2  
 11 26.0  
 12 27.7  
 13 29.4  
 14 31.2  
 15 32.9  
 16 34.7  
 17 36.4  
 18 38.2  
 19 39.9  
 20 41.7  
 21 43.4  
 22 45.0  
 23 46.8  
 24 48.4  
 25 50.2  
 26 51.9  
 27 53.6  
 28 55.4  
 29 57.1  
 30 58.9  
 31 60.7  
 32 62.4  
 33 64.1  
 34 64.9

64.9



153.0

R  
 1 153.0  
 2 172.5  
 3 192.0  
 4 211.5  
 5 230.9  
 6 250.4  
 7 269.9  
 8 289.3  
 9 308.8  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.7  
 14 406.1  
 15 425.6  
 16 445.1  
 17 464.6

R

ANGLE

10.2

484.0

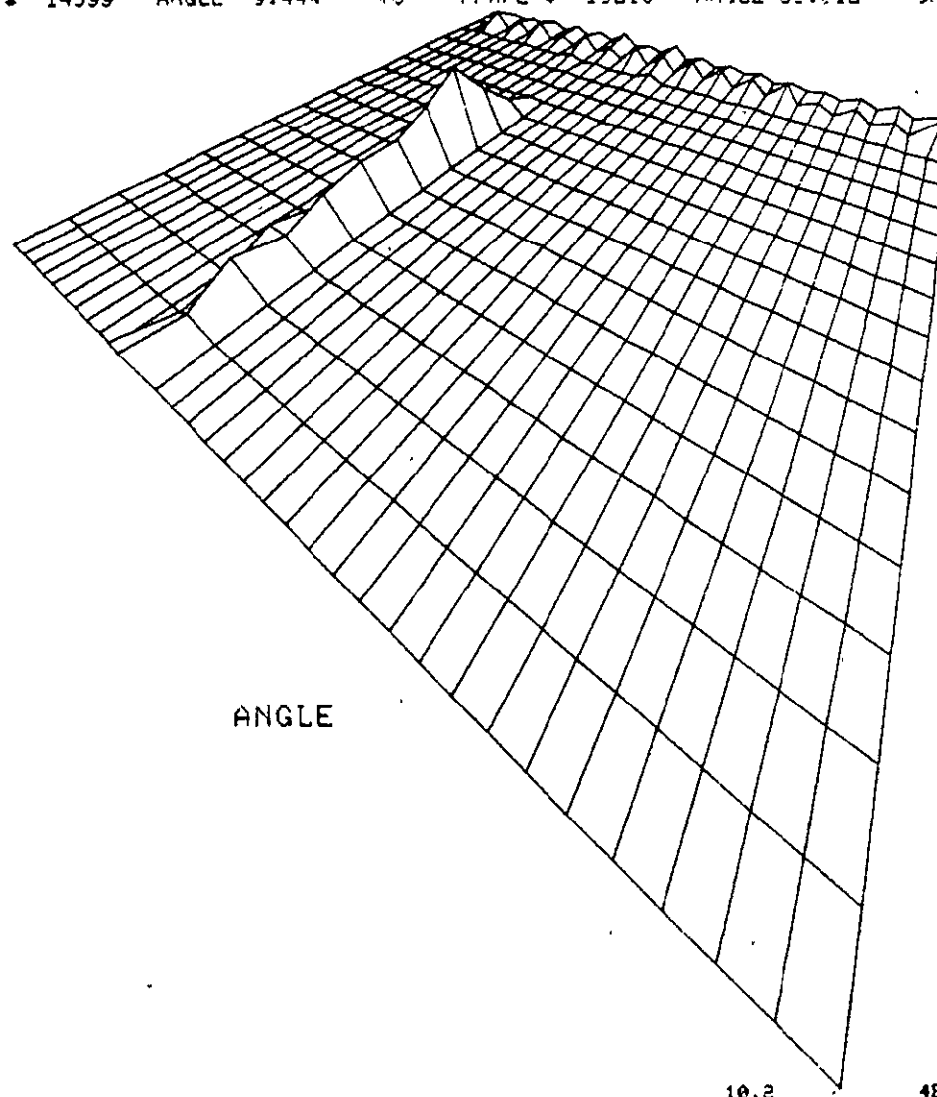
U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT 1. = 10



NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 3- 6110  
 \* SCAN # 21 FRAME # 14599 ANGLE 9.444 TO FRAME # 15210 ANGLE 65.012 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 10.2  
 2 11.1  
 3 12.3  
 4 13.7  
 5 15.4  
 6 17.2  
 7 19.0  
 8 20.7  
 9 22.4  
 10 24.2  
 11 26.0  
 12 27.7  
 13 29.4  
 14 31.2  
 15 32.9  
 16 34.7  
 17 36.4  
 18 38.2  
 19 39.9  
 20 41.7  
 21 43.4  
 22 45.0  
 23 46.8  
 24 48.4  
 25 50.2  
 26 51.9  
 27 53.6  
 28 55.4  
 29 57.1  
 30 58.9  
 31 60.7  
 32 62.4  
 33 64.1  
 34 64.9

64.9



R  
 1 153.0  
 2 172.5  
 3 192.0  
 4 211.5  
 5 230.9  
 6 250.4  
 7 269.9  
 8 289.3  
 9 308.8  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.7  
 14 406.1  
 15 425.6  
 16 445.1  
 17 464.0

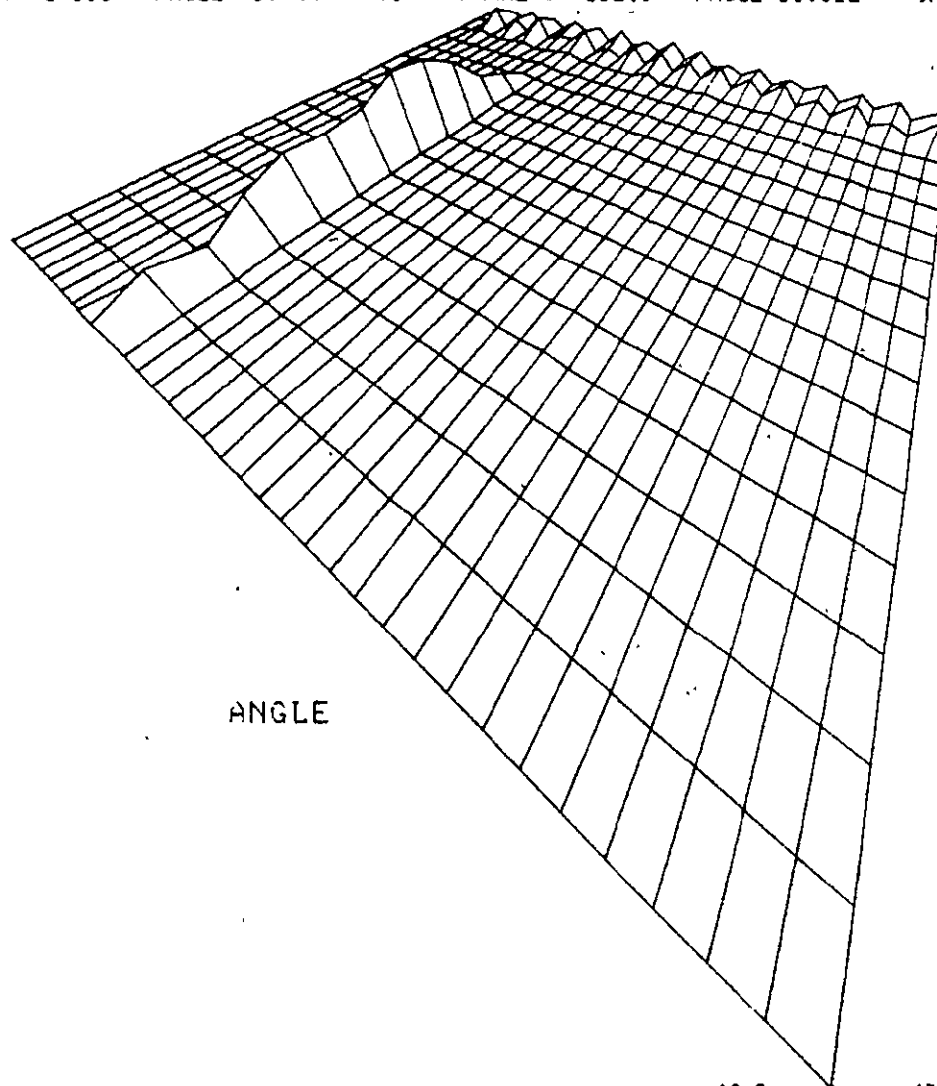
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U \* I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 21 FRAME # 14599 ANGLE 9.444 TO FRAME # 15210 ANGLE 65.012 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 10.2  
 2 11.1  
 3 12.3  
 4 13.7  
 5 15.4  
 6 17.2  
 7 19.0  
 8 20.7  
 9 22.4  
 10 24.2  
 11 26.0  
 12 27.7  
 13 29.4  
 14 31.2  
 15 32.9  
 16 34.7  
 17 36.4  
 18 38.2  
 19 39.9  
 20 41.7  
 21 43.4  
 22 45.0  
 23 46.8  
 24 48.4  
 25 50.2  
 26 51.9  
 27 53.6  
 28 55.4  
 29 57.1  
 30 58.9  
 31 60.7  
 32 62.4  
 33 64.1  
 34 64.9

64.9



153.0

R

P  
 1 153.0  
 2 172.5  
 3 192.0  
 4 211.5  
 5 230.9  
 6 250.4  
 7 269.9  
 8 289.3  
 9 308.8  
 10 328.3  
 11 347.7  
 12 367.2  
 13 386.7  
 14 406.1  
 15 425.6  
 16 445.1  
 17 464.6

ORIGINAL PAGE IS  
 OF POOR QUALITY

10.2

484.0

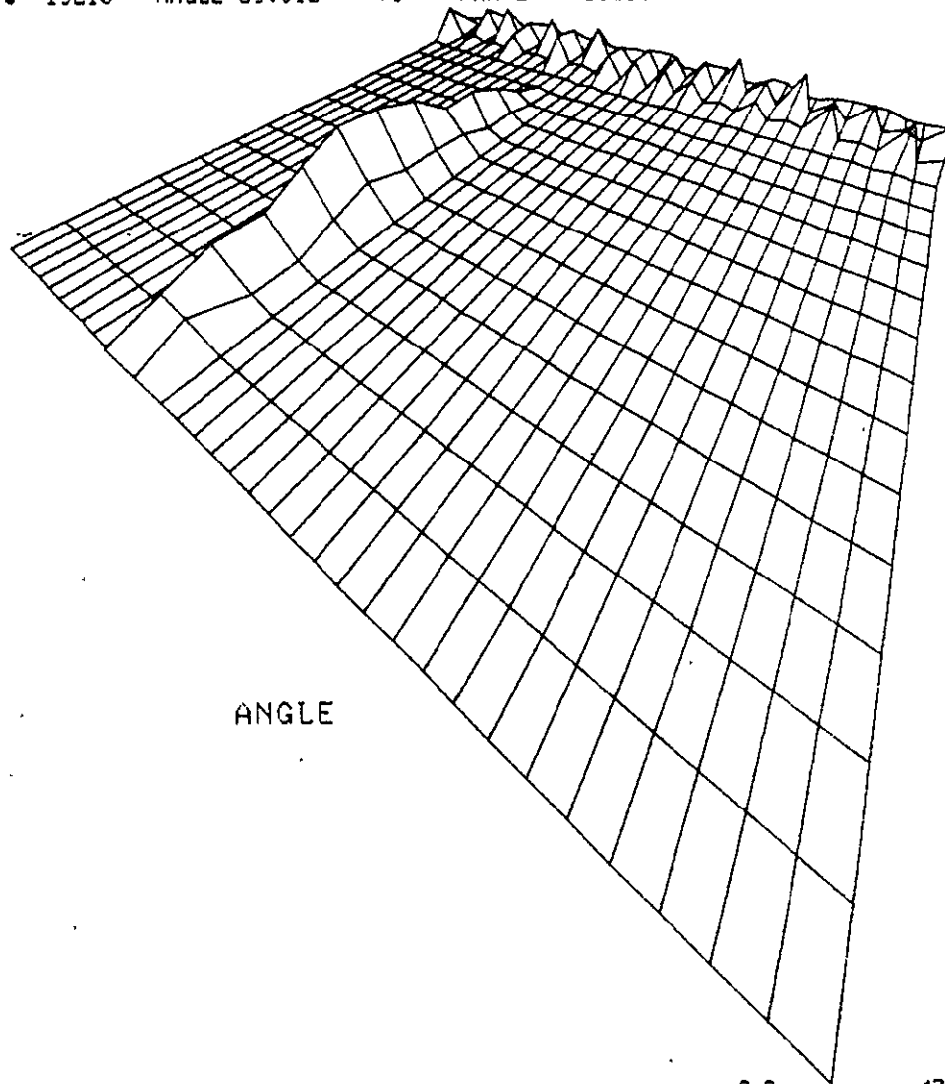
U \* I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 22 FRAME # 15210 ANGLE 65.012 TO FRAME # 15233 ANGLE 9.404 CRITICAL AMP HT CELL 62  
 OPTION # 11-1

MAXIMUM I = 48.0  
 AVERAGE I = 1.9

ANGLE  
 1 64.7  
 2 64.4  
 3 63.7  
 4 62.6  
 5 61.2  
 6 59.5  
 7 57.8  
 8 55.9  
 9 54.2  
 10 52.4  
 11 50.7  
 12 49.1  
 13 47.3  
 14 45.6  
 15 43.9  
 16 42.3  
 17 40.6  
 18 38.8  
 19 37.0  
 20 35.2  
 21 33.6  
 22 31.8  
 23 30.1  
 24 28.3  
 25 26.5  
 26 24.8  
 27 22.9  
 28 21.2  
 29 19.4  
 30 17.7  
 31 15.9  
 32 14.1  
 33 12.3  
 34 10.7  
 35 9.8

64.7



143.3

R  
 1 143.3  
 2 162.8  
 3 182.3  
 4 201.8  
 5 221.3  
 6 240.8  
 7 260.3  
 8 279.8  
 9 299.3  
 10 318.8  
 11 338.3  
 12 357.8  
 13 377.3  
 14 396.8  
 15 416.3  
 16 435.8  
 17 474.3

D

ANGLE

9.8

474.8

Imax, P, A DISPLAY

ORIGINAL PAGE IS  
 OF POOR QUALITY

NASA PROJECT DUST DE VIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 22 FRAME # 15210 ANGLE 65.012 TO FRAME # 15833 ANGLE 9.404 CRITICAL AMP AT CELL 62

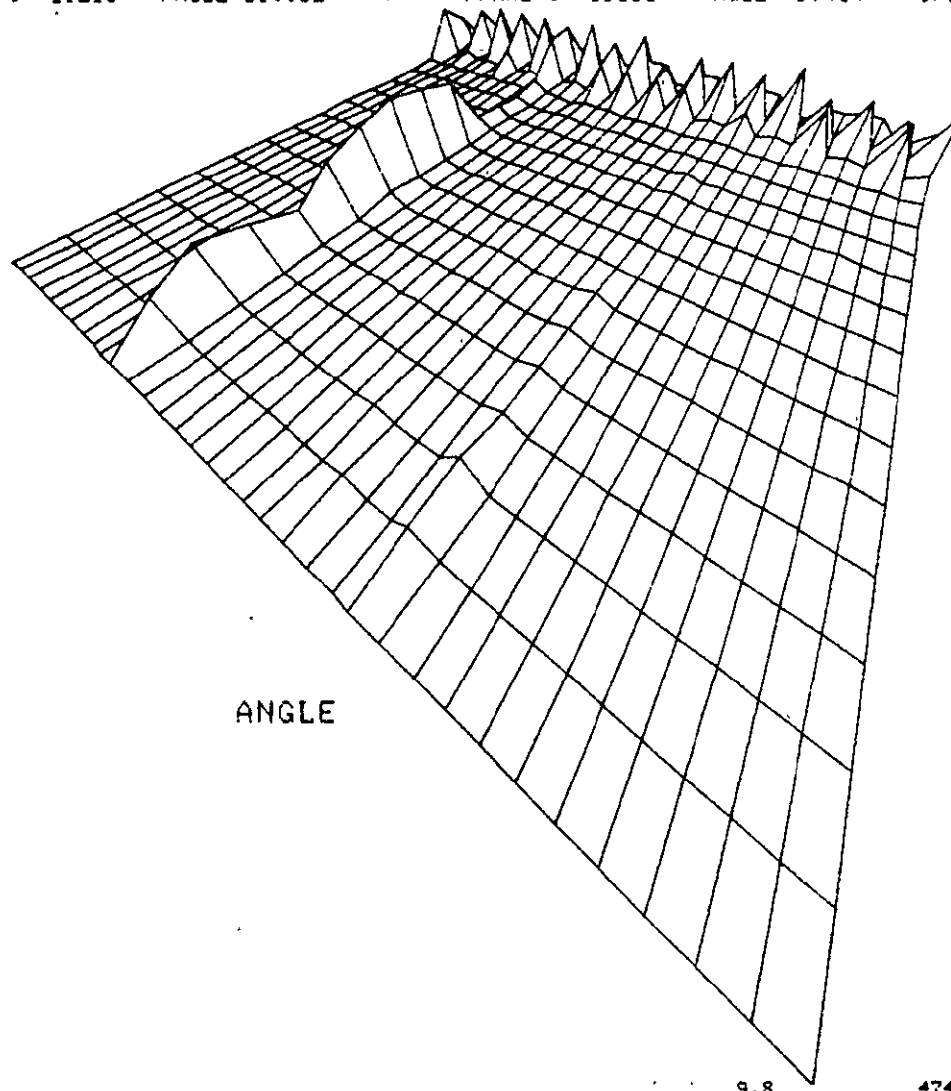
OPTION # 11-2

MAXIMUM I = 52.0

AVERAGE I = 3.5

ANGLE  
 1 64.7  
 2 64.4  
 3 63.7  
 4 62.6  
 5 61.2  
 6 59.5  
 7 57.8  
 8 55.9  
 9 54.2  
 10 52.4  
 11 50.7  
 12 49.1  
 13 47.3  
 14 45.6  
 15 43.9  
 16 42.3  
 17 40.6  
 18 38.8  
 19 37.0  
 20 35.2  
 21 33.6  
 22 31.8  
 23 30.1  
 24 28.3  
 25 26.5  
 26 24.8  
 27 22.9  
 28 21.2  
 29 19.4  
 30 17.7  
 31 15.9  
 32 14.1  
 33 12.3  
 34 10.7  
 35 9.8

64.7



143.3

R  
 1 143.3  
 2 162.8  
 3 182.3  
 4 201.8  
 5 221.3  
 6 240.8  
 7 260.3  
 8 279.8  
 9 299.3  
 10 318.8  
 11 338.3  
 12 357.8  
 13 377.3  
 14 396.8  
 15 416.3  
 16 435.8  
 17 454.8

R

ANGLE

9.8

474.8

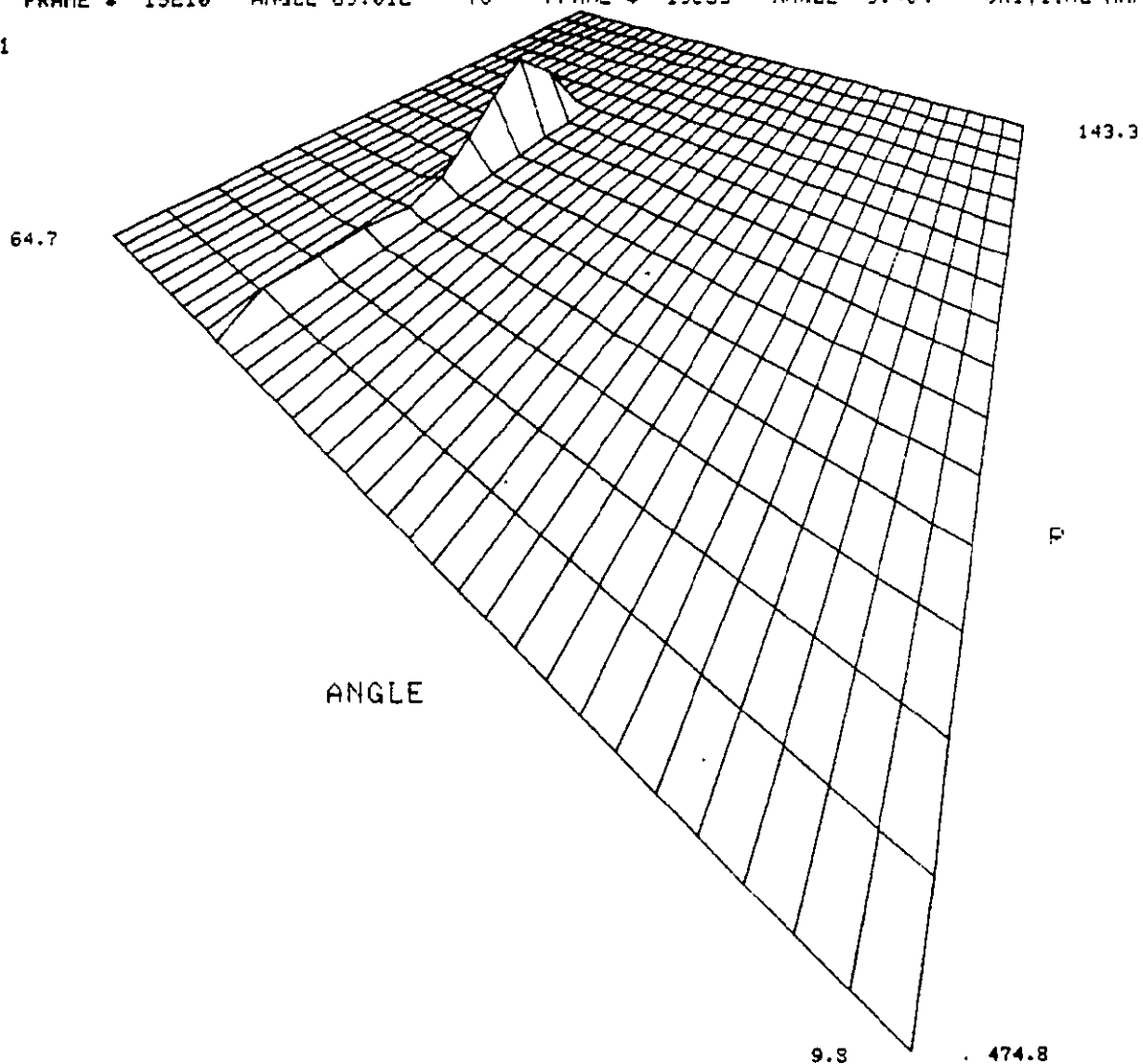
IMAX, R, A DISPLAY

ORIGINAL PAGE IS  
 OF POOR QUALITY

OPTION # 12-1

AVERAGE I = 0.3

ANGLE	
1	64.7
2	64.4
3	63.7
4	62.6
5	61.2
6	59.5
7	57.8
8	55.9
9	54.2
10	52.4
11	50.7
12	49.1
13	47.3
14	45.6
15	43.9
16	42.3
17	40.6
18	38.8
19	37.0
20	35.2
21	33.6
22	31.8
23	30.1
24	28.3
25	26.5
26	24.8
27	22.9
28	21.2
29	19.4
30	17.7
31	15.9
32	14.1
33	12.3
34	10.7
35	9.8

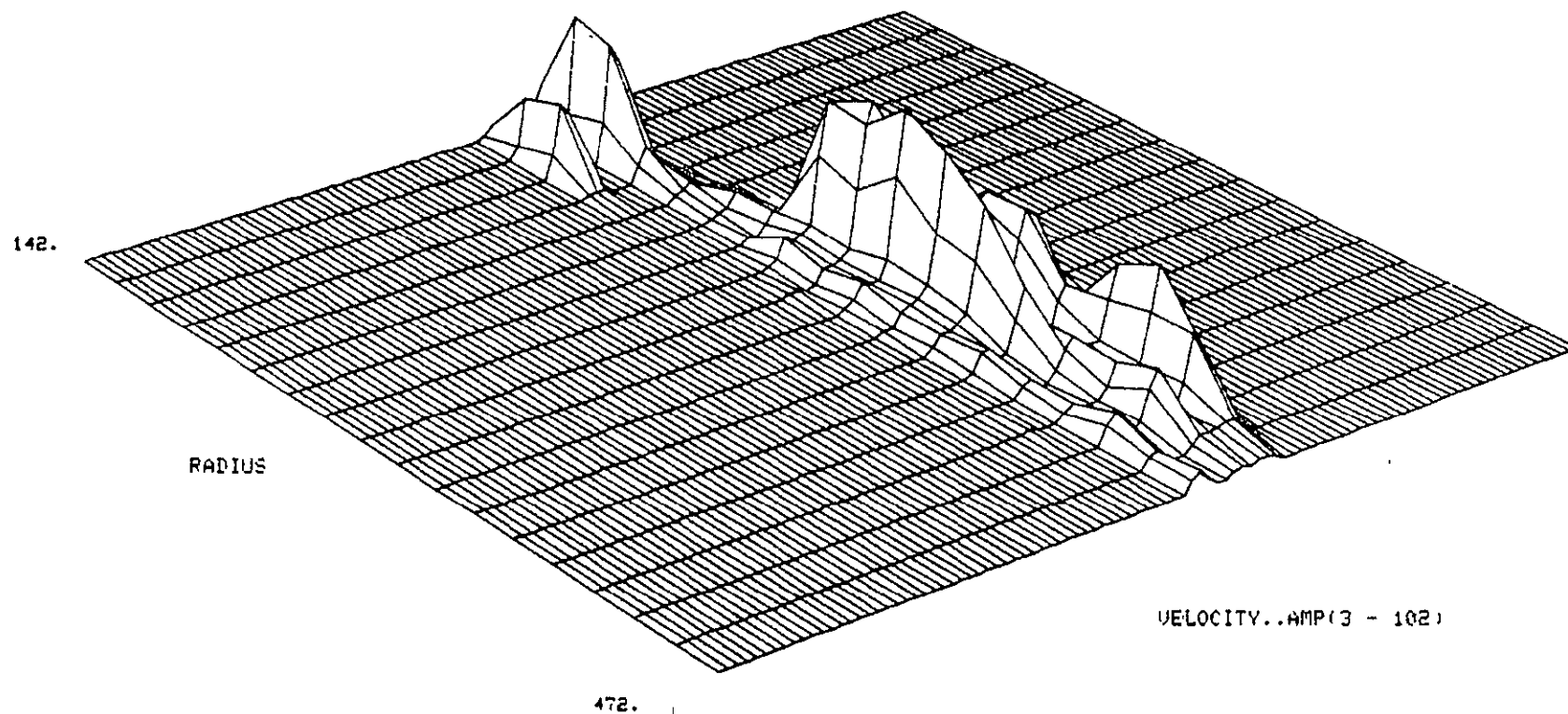


	R
1	143.3
2	162.9
3	192.3
4	201.6
5	221.3
6	240.8
7	260.3
8	279.9
9	299.3
10	318.8
11	338.3
12	357.9
13	377.3
14	396.8
15	416.3
16	435.2
17	474.6

I, R, A DISPLAY AT VELOCITY CELL 62



NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 5110  
 SCAN # 22 FRAME # 15210 ANGLE 65.012 TO FRAME # 15388 ANGLE 9.404 CRITICAL AMP AT CELL 62  
 FRAME # 15383 TO 15401  
 ANGLE = 50.63  
 MAXIMUM AMP VALUE = 52



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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 8110  
 \* SCAN # 22 FRAME # 15210 ANGLE 65.012 TO FRAME # 15823 ANGLE 3.404 OPTICAL AMP AT CELL 62

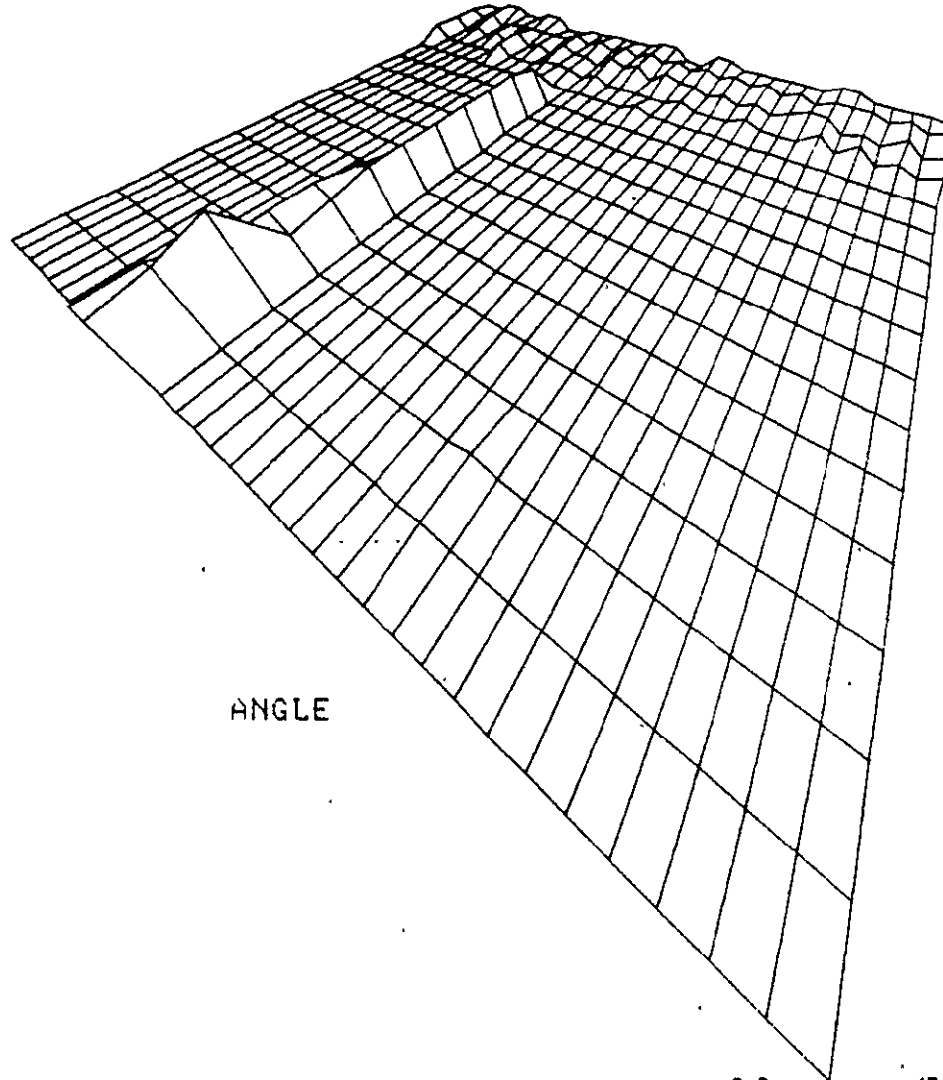
OPTION # 21-1

MAXIMUM U = 12.0

AVERAGE U = 1.5

ANGLE  
 1 64.7  
 2 64.4  
 3 63.7  
 4 62.6  
 5 61.2  
 6 59.5  
 7 57.8  
 8 55.9  
 9 54.2  
 10 52.4  
 11 50.7  
 12 49.1  
 13 47.3  
 14 45.6  
 15 43.9  
 16 42.3  
 17 40.6  
 18 38.8  
 19 37.0  
 20 35.2  
 21 33.6  
 22 31.8  
 23 30.1  
 24 28.3  
 25 26.5  
 26 24.8  
 27 22.9  
 28 21.2  
 29 19.4  
 30 17.7  
 31 15.9  
 32 14.1  
 33 12.3  
 34 10.7  
 35 9.8

64.7



143.3

R  
 1 143.3  
 2 162.8  
 3 182.3  
 4 201.8  
 5 221.3  
 6 240.8  
 7 260.3  
 8 279.8  
 9 299.3  
 10 318.8  
 11 338.3  
 12 357.8  
 13 377.3  
 14 396.8  
 15 416.3  
 16 435.8  
 17 454.3

R

ANGLE

9.8

474.8

U, R, A, DISPLAY (VELOCITY AT I MAX)

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 OF POOR QUALITY

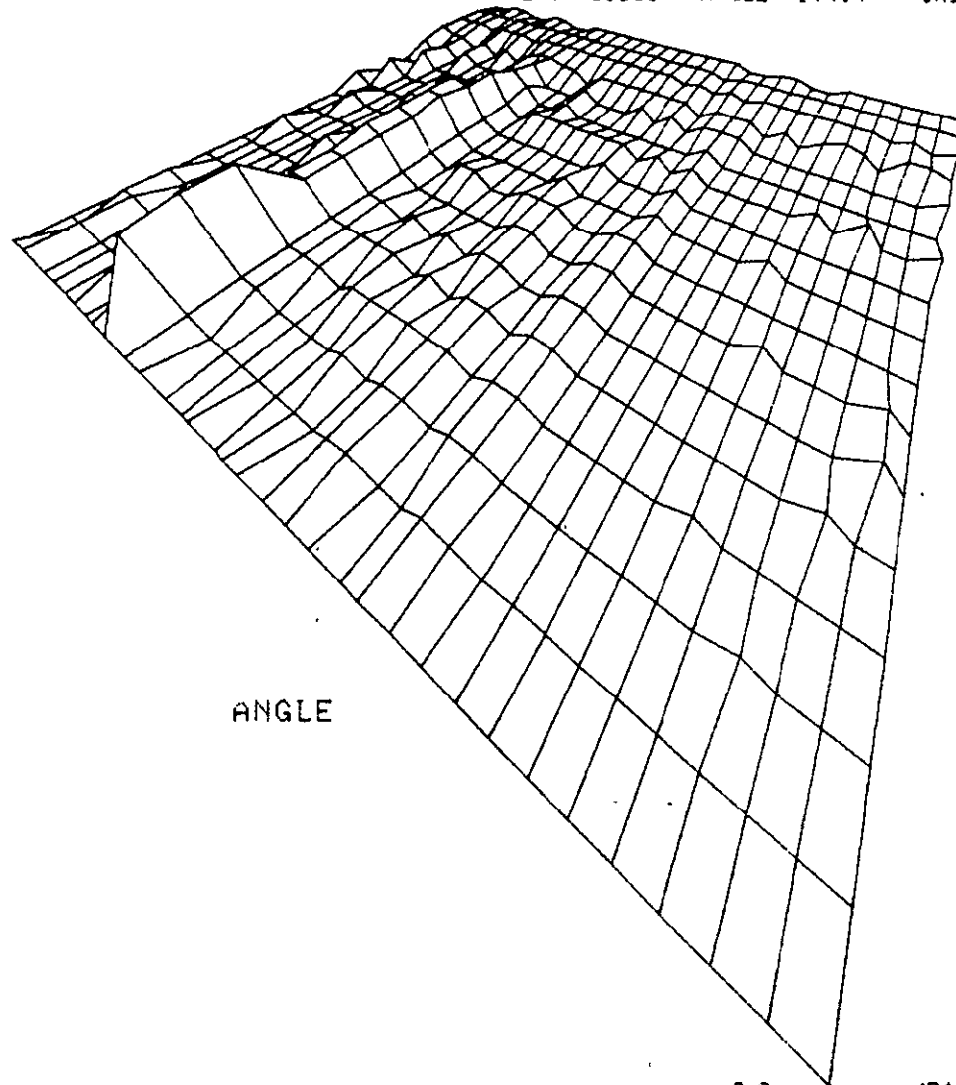


NASA PPROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 22 FRAME # 15210 ANGLE 65.012 TO FRAME # 15838 ANGLE 2.404 CRITICAL AMP AT CELL 62  
 OPTION # 21-2

MAXIMUM U = 14.0  
 AVERAGE U = 2.3

ANGLE  
 1 64.7  
 2 64.4  
 3 63.7  
 4 62.6  
 5 61.2  
 6 59.5  
 7 57.8  
 8 55.9  
 9 54.2  
 10 52.4  
 11 50.7  
 12 49.1  
 13 47.3  
 14 45.6  
 15 43.9  
 16 42.3  
 17 40.6  
 18 38.8  
 19 37.0  
 20 35.2  
 21 33.6  
 22 31.8  
 23 30.1  
 24 28.3  
 25 26.5  
 26 24.8  
 27 22.9  
 28 21.2  
 29 19.4  
 30 17.7  
 31 15.9  
 32 14.1  
 33 12.3  
 34 10.7  
 35 9.8

64.7



ANGLE

9.8

474.8

143.3

R  
 1 143.3  
 2 162.8  
 3 182.3  
 4 201.8  
 5 221.3  
 6 240.8  
 7 260.3  
 8 279.8  
 9 299.3  
 10 318.8  
 11 338.3  
 12 357.8  
 13 377.3  
 14 396.8  
 15 416.3  
 16 435.8  
 17 454.8

U, R, A DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 22 FRAME # 15210 ANGLE 65.012 TO FRAME # 15838 ANGLE 9.404 CRITICAL AMP AT CELL 62

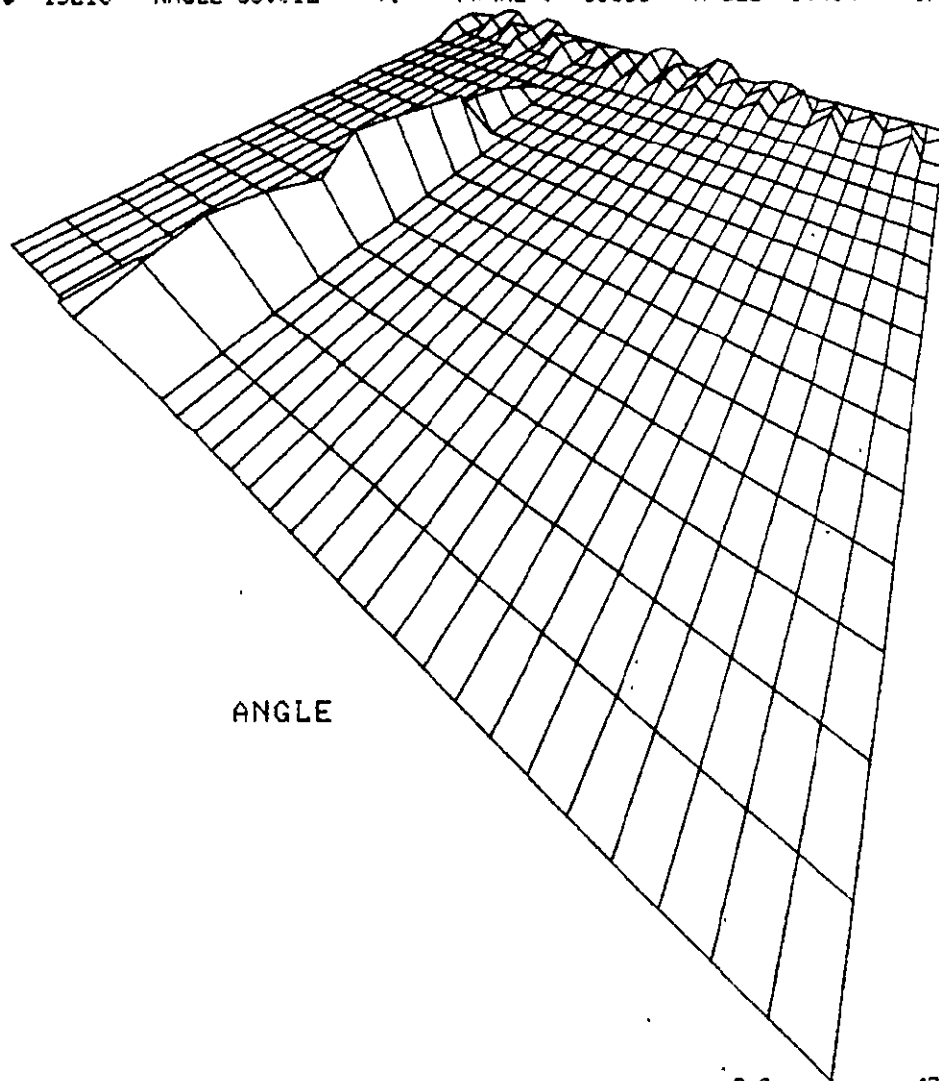
OPTION # 22-1

MAXIMUM U = 12.0

AVERAGE U = 1.4

ANGLE  
 1 64.7  
 2 64.4  
 3 63.7  
 4 62.6  
 5 61.2  
 6 59.5  
 7 57.8  
 8 55.9  
 9 54.2  
 10 52.4  
 11 50.7  
 12 49.1  
 13 47.3  
 14 45.6  
 15 43.9  
 16 42.3  
 17 40.6  
 18 38.8  
 19 37.0  
 20 35.2  
 21 33.6  
 22 31.8  
 23 30.1  
 24 28.3  
 25 26.5  
 26 24.8  
 27 22.9  
 28 21.2  
 29 19.4  
 30 17.7  
 31 15.9  
 32 14.1  
 33 12.3  
 34 10.7  
 35 9.8

64.7



9.8

143.3

U

R  
 1 143.3  
 2 162.8  
 3 182.3  
 4 201.8  
 5 221.3  
 6 240.8  
 7 260.3  
 8 279.3  
 9 299.3  
 10 318.8  
 11 338.3  
 12 357.8  
 13 377.3  
 14 396.8  
 15 416.3  
 16 435.8  
 17 474.8

474.8

Umax, R, A DISPLAY AMPLITUDE THRESHOLD AT 1 = 5

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 22 FRAME # 15210 ANGLE 65.012 TO FRAME # 15335 ANGLE 9.484 CRITICAL AMP AT CELL 62

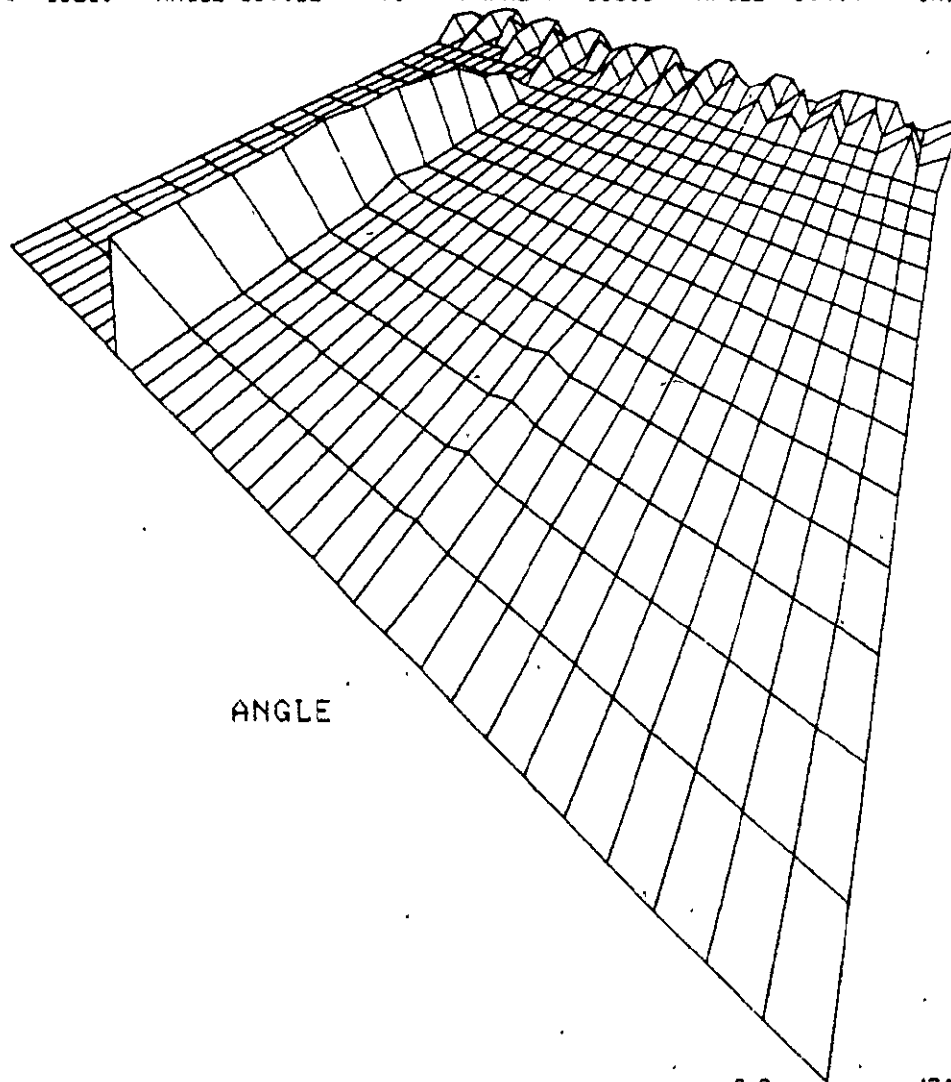
OPTION # 22-2

MAXIMUM U = 16.0

AVERAGE U = 1.7

ANGLE  
 1 64.7  
 2 64.4  
 3 63.7  
 4 62.6  
 5 61.2  
 6 59.5  
 7 57.8  
 8 55.9  
 9 54.2  
 10 52.4  
 11 50.7  
 12 49.1  
 13 47.3  
 14 45.6  
 15 43.9  
 16 42.3  
 17 40.6  
 18 38.8  
 19 37.0  
 20 35.2  
 21 33.6  
 22 31.8  
 23 30.1  
 24 28.3  
 25 26.5  
 26 24.8  
 27 22.9  
 28 21.2  
 29 19.4  
 30 17.7  
 31 15.9  
 32 14.1  
 33 12.3  
 34 10.7  
 35 9.8

64.7



ANGLE

143.3

R  
 1 143.3  
 2 162.8  
 3 182.3  
 4 201.8  
 5 221.3  
 6 240.8  
 7 260.3  
 8 279.8  
 9 299.3  
 10 318.8  
 11 338.3  
 12 357.8  
 13 377.3  
 14 396.8  
 15 416.3  
 16 435.8  
 17 474.8

R

9.8

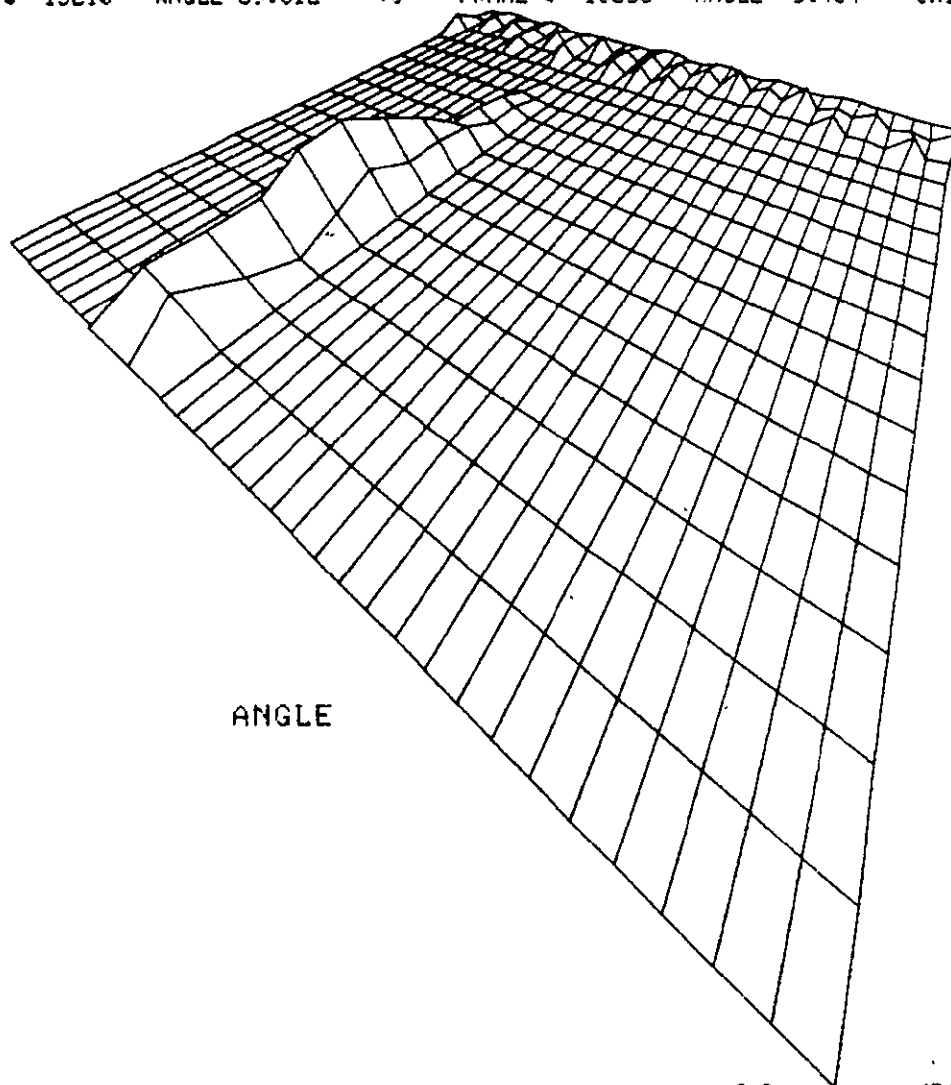
474.8

U<sub>max</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 22 FRAME # 15210 ANGLE 65.012 TO FRAME # 15808 ANGLE 9.404 CRITICAL AMP HT CELL 62  
 OPTION # 31-1

ANGLE  
 1 64.7  
 2 64.4  
 3 63.7  
 4 62.6  
 5 61.2  
 6 59.5  
 7 57.8  
 8 55.9  
 9 54.2  
 10 52.4  
 11 50.7  
 12 49.1  
 13 47.3  
 14 45.6  
 15 43.9  
 16 42.3  
 17 40.6  
 18 38.8  
 19 37.0  
 20 35.2  
 21 33.6  
 22 31.8  
 23 30.1  
 24 28.3  
 25 26.5  
 26 24.8  
 27 22.9  
 28 21.2  
 29 19.4  
 30 17.7  
 31 15.9  
 32 14.1  
 33 12.3  
 34 10.7  
 35 9.8

64.7



143.3

R  
 1 143.3  
 2 162.8  
 3 182.3  
 4 201.3  
 5 221.3  
 6 240.8  
 7 260.3  
 8 279.8  
 9 299.3  
 10 318.3  
 11 338.3  
 12 357.3  
 13 377.3  
 14 396.3  
 15 416.3  
 16 435.3  
 17 474.8

R

ANGLE

9.8

474.8

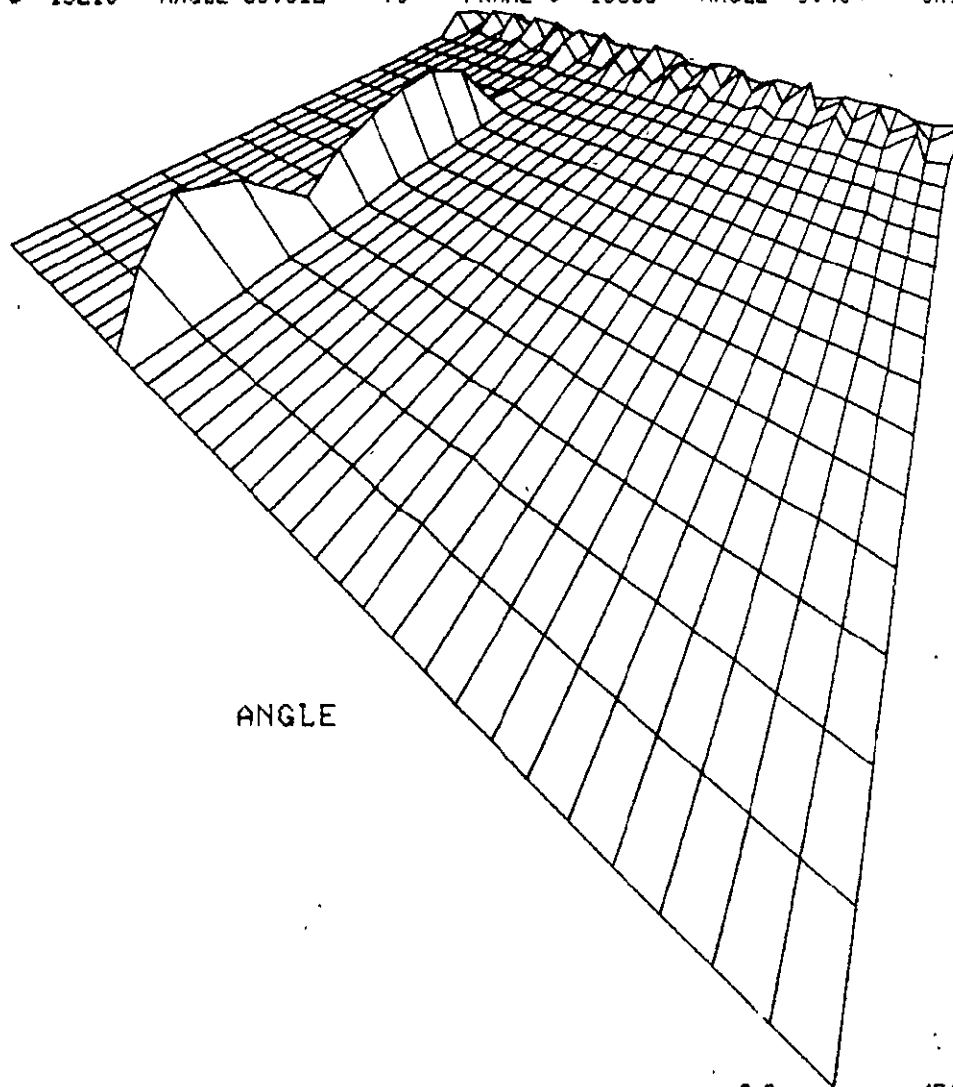
U \* Imax, P, A DISPLAY

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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 22 FRAME # 15210 ANGLE 65.012 TO FRAME # 15838 ANGLE 9.404 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 64.7  
 2 64.4  
 3 63.7  
 4 62.6  
 5 61.2  
 6 59.5  
 7 57.8  
 8 55.9  
 9 54.2  
 10 52.4  
 11 50.7  
 12 49.1  
 13 47.3  
 14 45.6  
 15 43.9  
 16 42.3  
 17 40.6  
 18 38.8  
 19 37.0  
 20 35.2  
 21 33.6  
 22 31.8  
 23 30.1  
 24 28.3  
 25 26.5  
 26 24.8  
 27 22.9  
 28 21.2  
 29 19.4  
 30 17.7  
 31 15.9  
 32 14.1  
 33 12.3  
 34 10.7  
 35 9.8

64.7



ANGLE

9.8

143.3

R

474.8

P  
 1 143.3  
 2 162.8  
 3 182.3  
 4 201.8  
 5 221.3  
 6 240.8  
 7 260.3  
 8 279.8  
 9 299.3  
 10 318.8  
 11 338.3  
 12 357.8  
 13 377.3  
 14 396.8  
 15 416.3  
 16 435.8  
 17 474.8

U \* Imax, R, A DISPLAY

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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 23 FRAME # 15838 ANGLE 9.404 TO FRAME # 16446 ANGLE 64.384 CRITICAL AMP AT CELL 62.

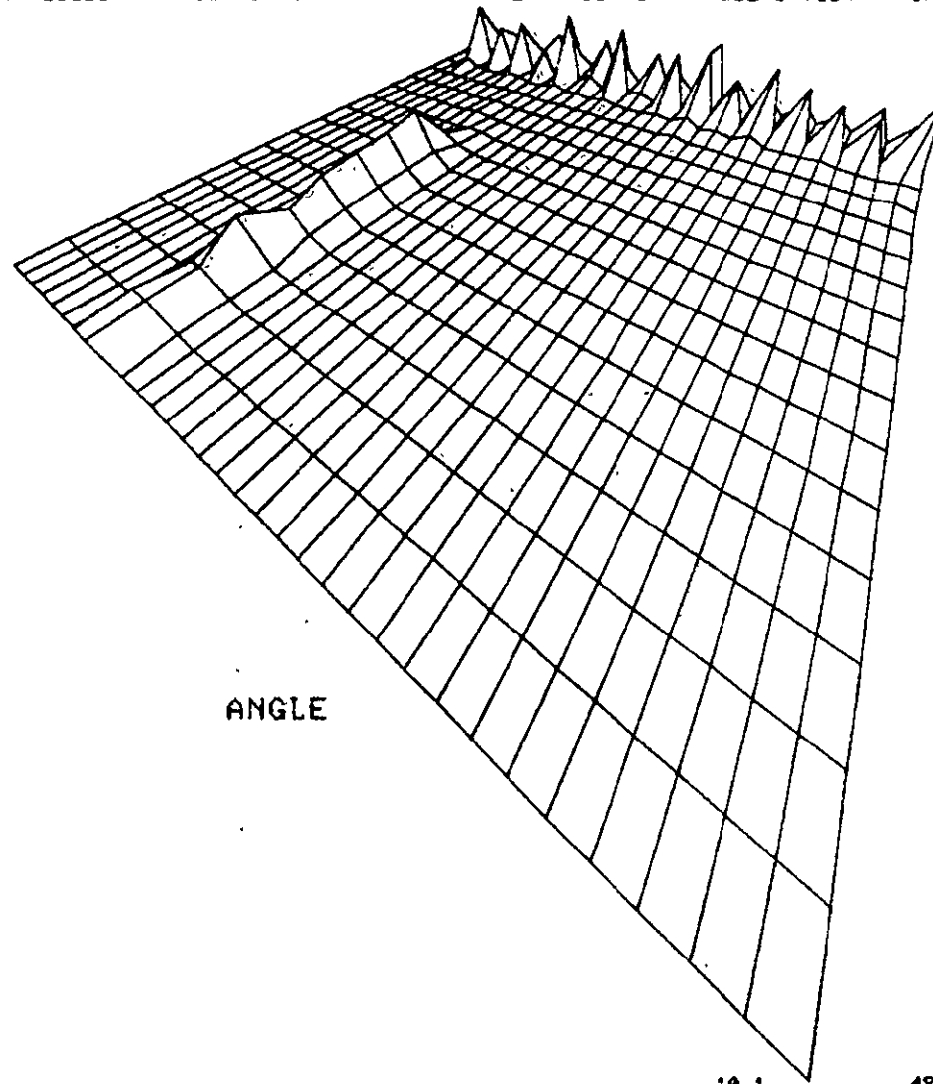
OPTION # 11-1

MAXIMUM I = 26.0

AVERAGE I = 1.2

ANGLE  
 1 10.1  
 2 10.8  
 3 11.9  
 4 13.4  
 5 15.0  
 6 16.8  
 7 18.6  
 8 20.3  
 9 22.0  
 10 23.8  
 11 25.6  
 12 27.3  
 13 29.0  
 14 30.8  
 15 32.5  
 16 34.3  
 17 36.0  
 18 37.7  
 19 39.4  
 20 41.3  
 21 43.0  
 22 44.6  
 23 46.3  
 24 48.1  
 25 49.8  
 26 51.5  
 27 53.2  
 28 55.0  
 29 56.7  
 30 58.5  
 31 60.2  
 32 62.1  
 33 63.7  
 34 64.7

64.7



156.5

	R
1	156.5
2	175.7
3	195.0
4	214.3
5	233.5
6	252.8
7	272.0
8	291.3
9	310.6
10	329.8
11	349.1
12	368.3
13	387.6
14	406.9
15	426.1
16	445.4
17	483.9

10

10.1

483.9

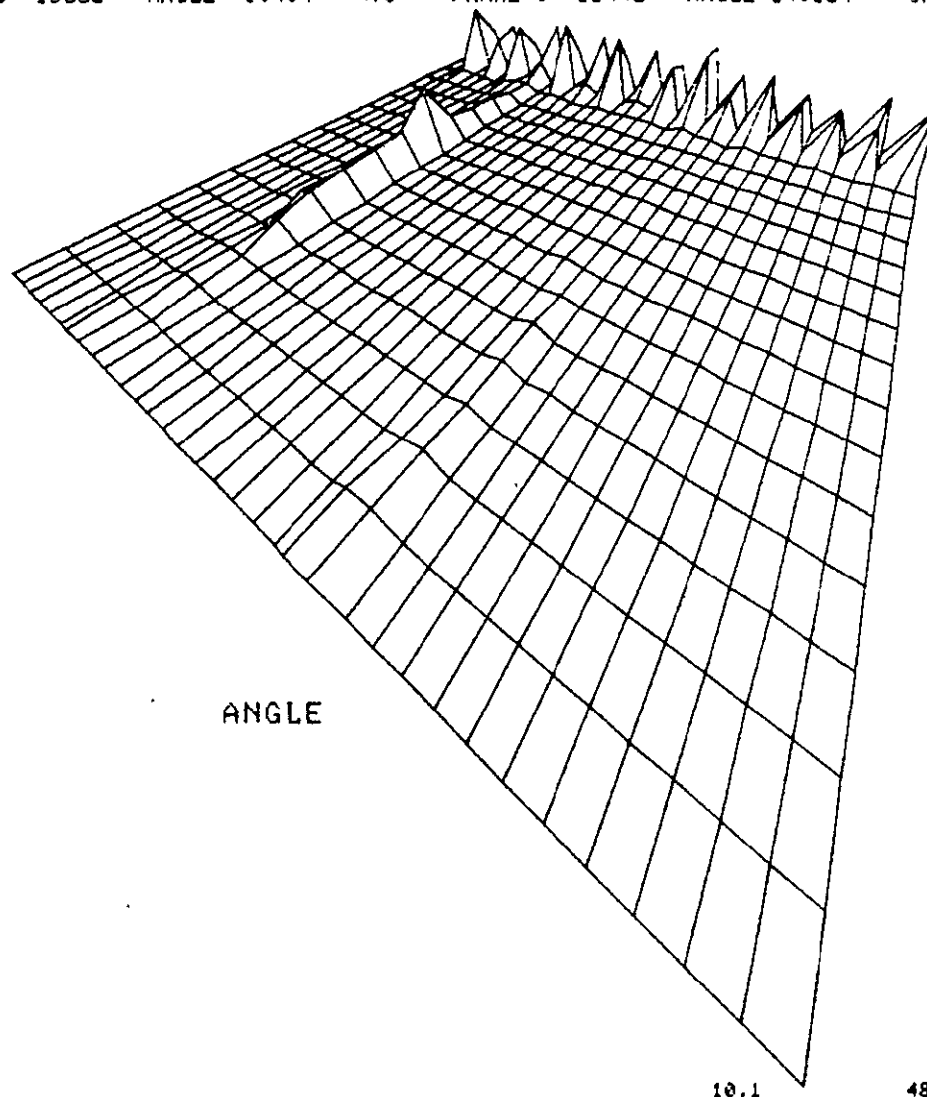
Imax, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 23 FRAME # 15838 ANGLE 9.404 TO FRAME # 16446 ANGLE 64.834 CRITICAL AMP AT CELL 62  
 OPTION # 11-2

MAXIMUM I = 45.0  
 AVERAGE I = 2.7

ANGLE  
 1 10.1  
 2 10.8  
 3 11.9  
 4 13.4  
 5 15.0  
 6 16.8  
 7 18.6  
 8 20.3  
 9 22.0  
 10 23.8  
 11 25.6  
 12 27.3  
 13 29.0  
 14 30.8  
 15 32.5  
 16 34.3  
 17 36.0  
 18 37.7  
 19 39.4  
 20 41.3  
 21 43.0  
 22 44.6  
 23 46.3  
 24 48.1  
 25 49.8  
 26 51.5  
 27 53.2  
 28 55.0  
 29 56.7  
 30 58.5  
 31 60.2  
 32 62.1  
 33 63.7  
 34 64.7

64.7



156.5

R

R  
 1 156.5  
 2 175.7  
 3 195.0  
 4 214.3  
 5 233.5  
 6 252.8  
 7 272.0  
 8 291.3  
 9 310.6  
 10 329.8  
 11 349.1  
 12 368.3  
 13 387.6  
 14 406.9  
 15 426.1  
 16 445.4  
 17 463.9

ANGLE

10.1

483.9

I<sub>max</sub>, R, A. DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 23 FRAME # 15838 ANGLE 9.404 TO FRAME # 16446 ANGLE 64.584 CRITICAL AMP AT CELL 62

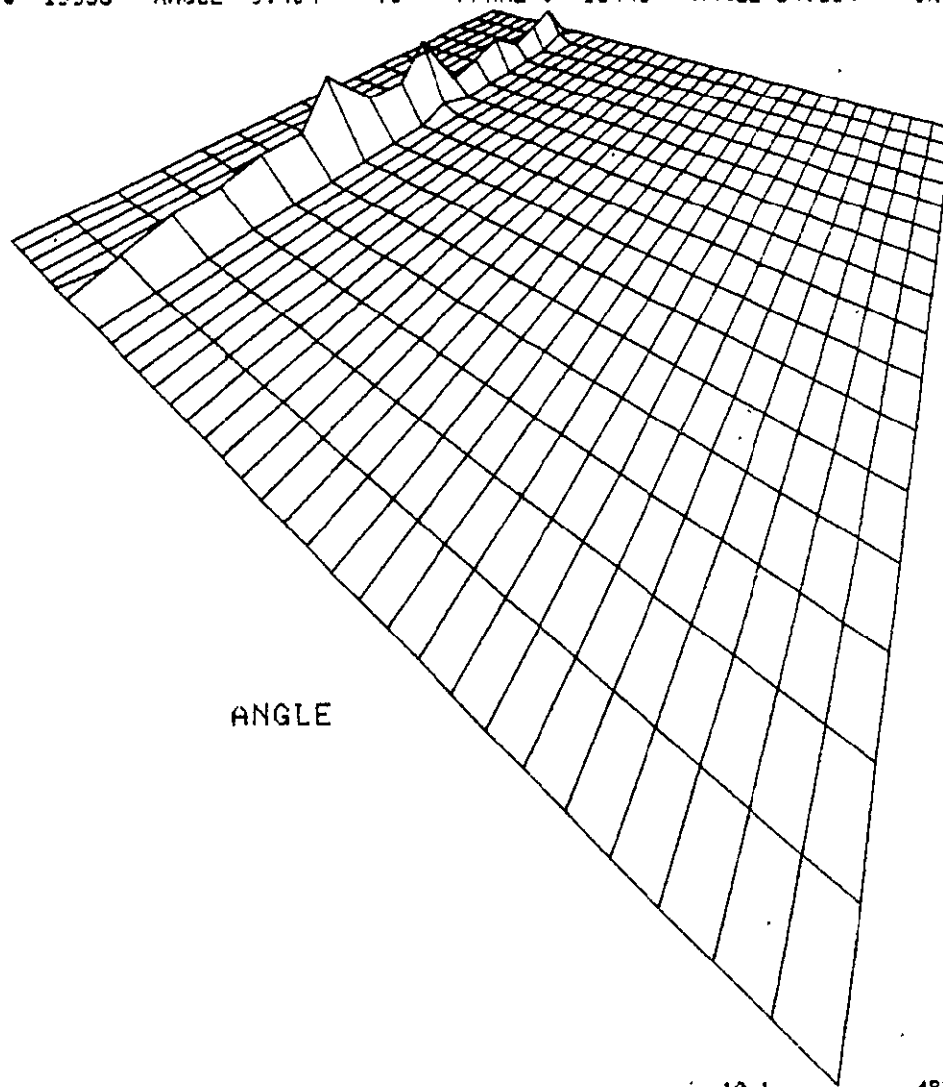
OPTION # 12-1

MAXIMUM I = 9.0

AVERAGE I = 0.1

ANGLE  
 1 10.1  
 2 10.8  
 3 11.9  
 4 13.4  
 5 15.0  
 6 16.8  
 7 18.6  
 8 20.3  
 9 22.0  
 10 23.8  
 11 25.6  
 12 27.3  
 13 29.0  
 14 30.8  
 15 32.5  
 16 34.3  
 17 36.0  
 18 37.7  
 19 39.4  
 20 41.3  
 21 43.0  
 22 44.6  
 23 46.3  
 24 48.1  
 25 49.8  
 26 51.5  
 27 53.2  
 28 55.0  
 29 56.7  
 30 58.5  
 31 60.2  
 32 62.1  
 33 63.7  
 34 64.7

64.7



156.5

P  
 1 156.5  
 2 175.7  
 3 195.0  
 4 214.3  
 5 233.5  
 6 252.8  
 7 272.0  
 8 291.3  
 9 310.6  
 10 329.8  
 11 349.1  
 12 368.3  
 13 387.6  
 14 406.9  
 15 426.1  
 16 445.4  
 17 463.9

R

ANGLE

10.1

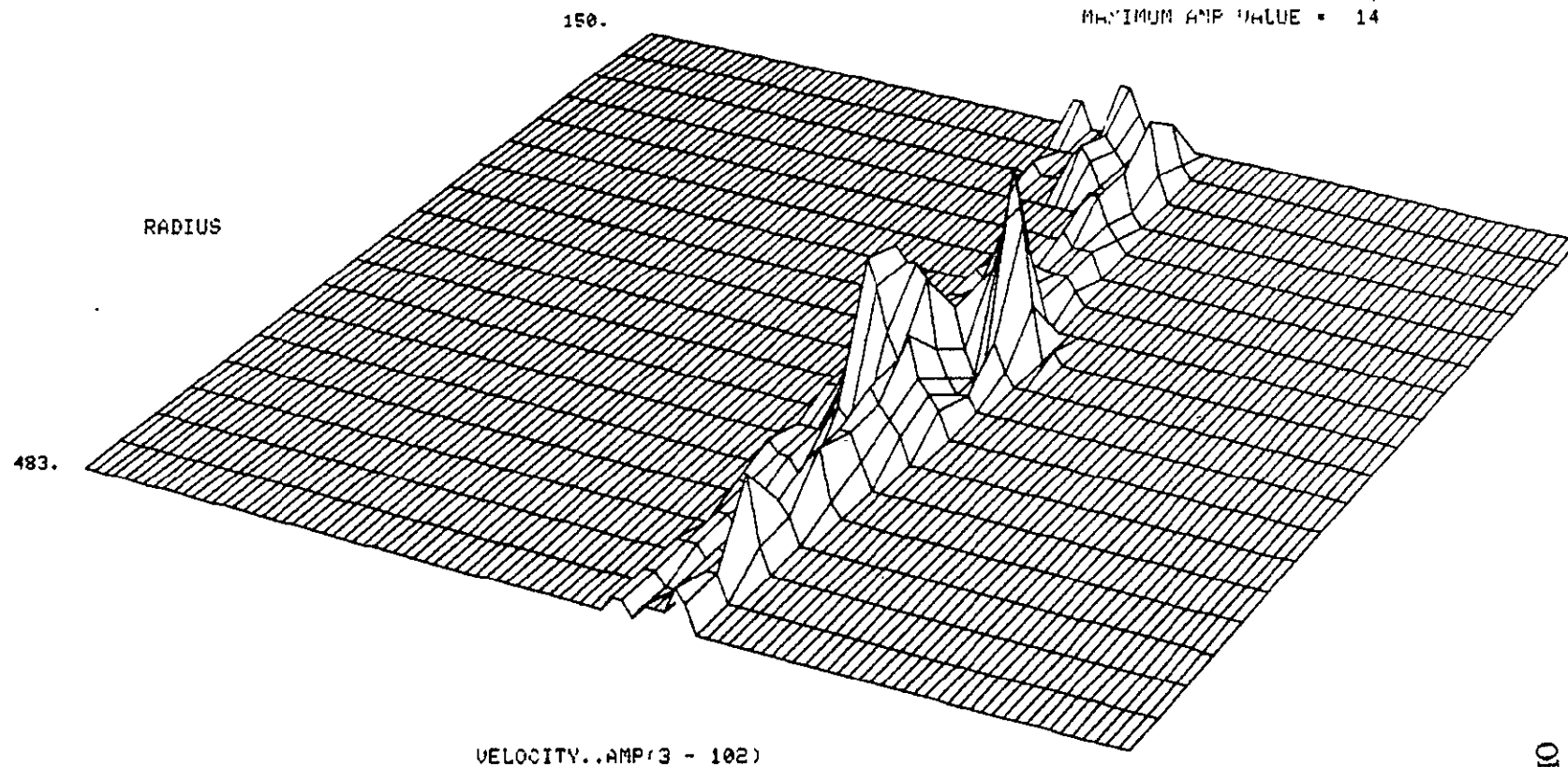
483.9

I, R, A DISPLAY AT VELOCITY CELL 62

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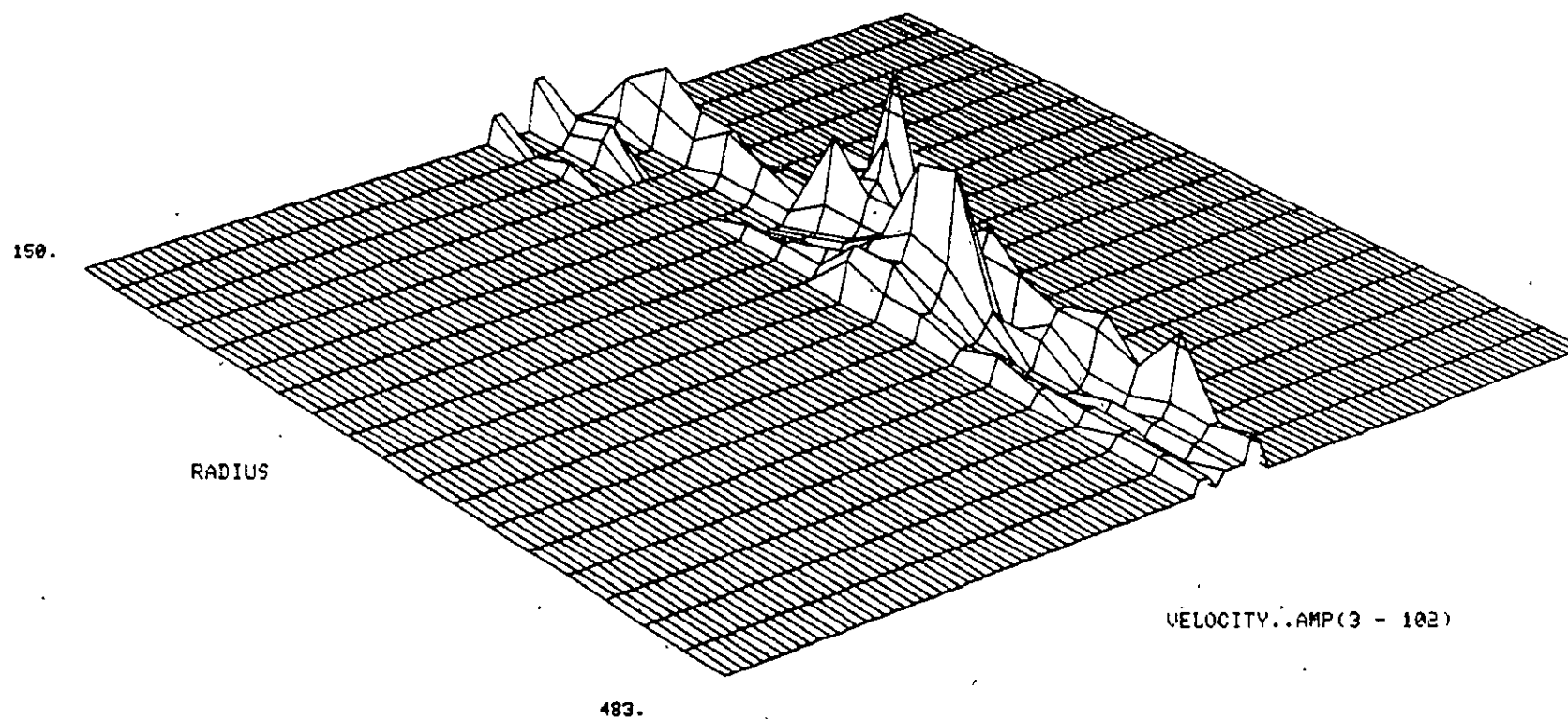


\* NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 3110  
 SCAN # 23 FRAME # 15835 ANGLE 9.404 TO FRAME # 16446 ANGLE 64.334 CRITICAL AMP AT CELL 62  
 FRAME # 16312 TO 16331  
 ANGLE = 53.29  
 MAXIMUM AMP VALUE = 14



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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 SCAN # 23 FRAME # 15838 ANGLE 9.404 TO FRAME # 16446 ANGLE 64.834 CRITICAL AMP AT CELL 62  
 FRAME # 16312 TO 16331  
 ANGLE = 53.29  
 MAXIMUM AMP VALUE = 14



NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 5110  
 \* SCAN # 23 FRAME # 15838 ANGLE 9.404 TO FRAME # 16446 ANGLE 64.824 CRITICAL AMP AT CELL 62

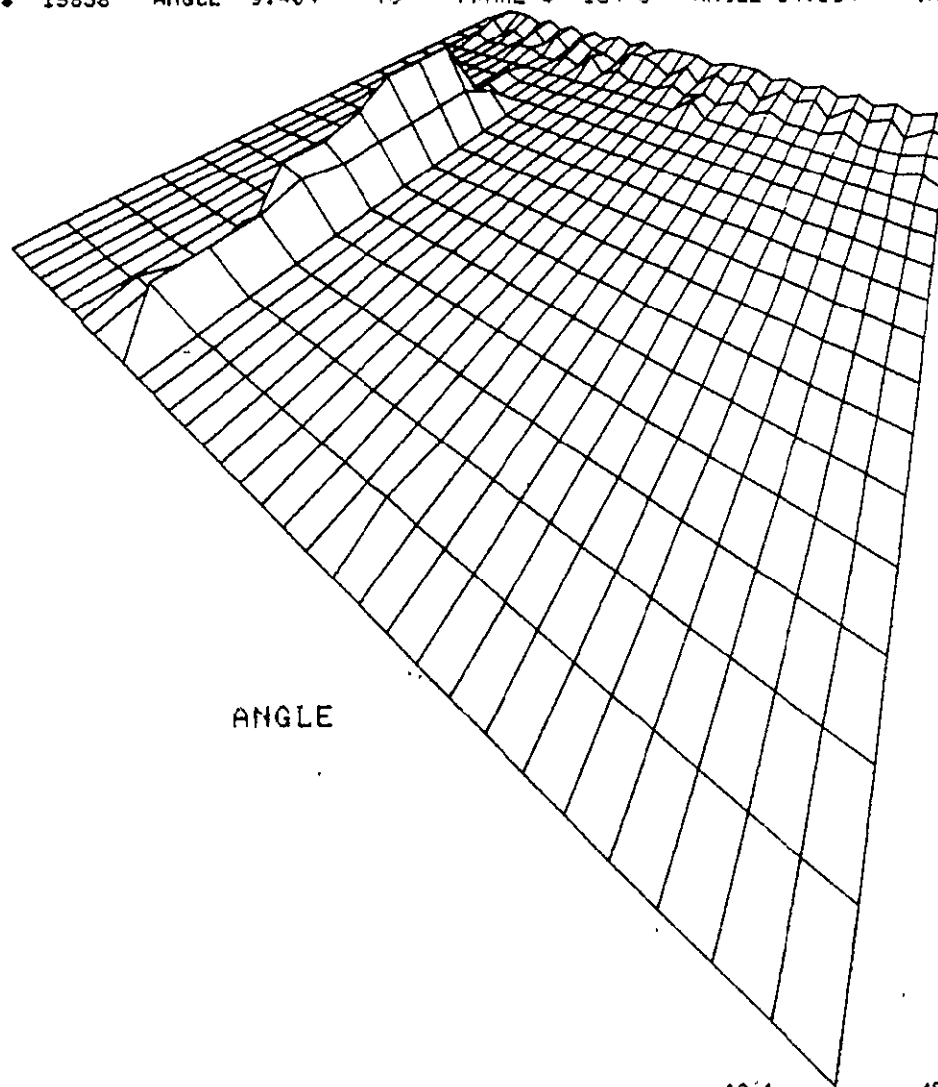
OPTION # 21-1

MAXIMUM U = 11.0

AVERAGE U = 1.4

ANGLE  
 1 10.1  
 2 10.8  
 3 11.9  
 4 13.4  
 5 15.0  
 6 16.8  
 7 18.6  
 8 20.3  
 9 22.0  
 10 23.8  
 11 25.6  
 12 27.3  
 13 29.0  
 14 30.8  
 15 32.5  
 16 34.3  
 17 36.0  
 18 37.7  
 19 39.4  
 20 41.3  
 21 43.0  
 22 44.6  
 23 46.3  
 24 48.1  
 25 49.8  
 26 51.5  
 27 53.2  
 28 55.0  
 29 56.7  
 30 58.5  
 31 60.2  
 32 62.1  
 33 63.7  
 34 64.7

64.7



156.5

R  
 1 156.5  
 2 175.7  
 3 195.0  
 4 214.3  
 5 233.5  
 6 252.8  
 7 272.0  
 8 291.3  
 9 310.6  
 10 329.3  
 11 349.1  
 12 368.3  
 13 387.6  
 14 406.3  
 15 426.1  
 16 445.4  
 17 463.9

R

10.1

483.9

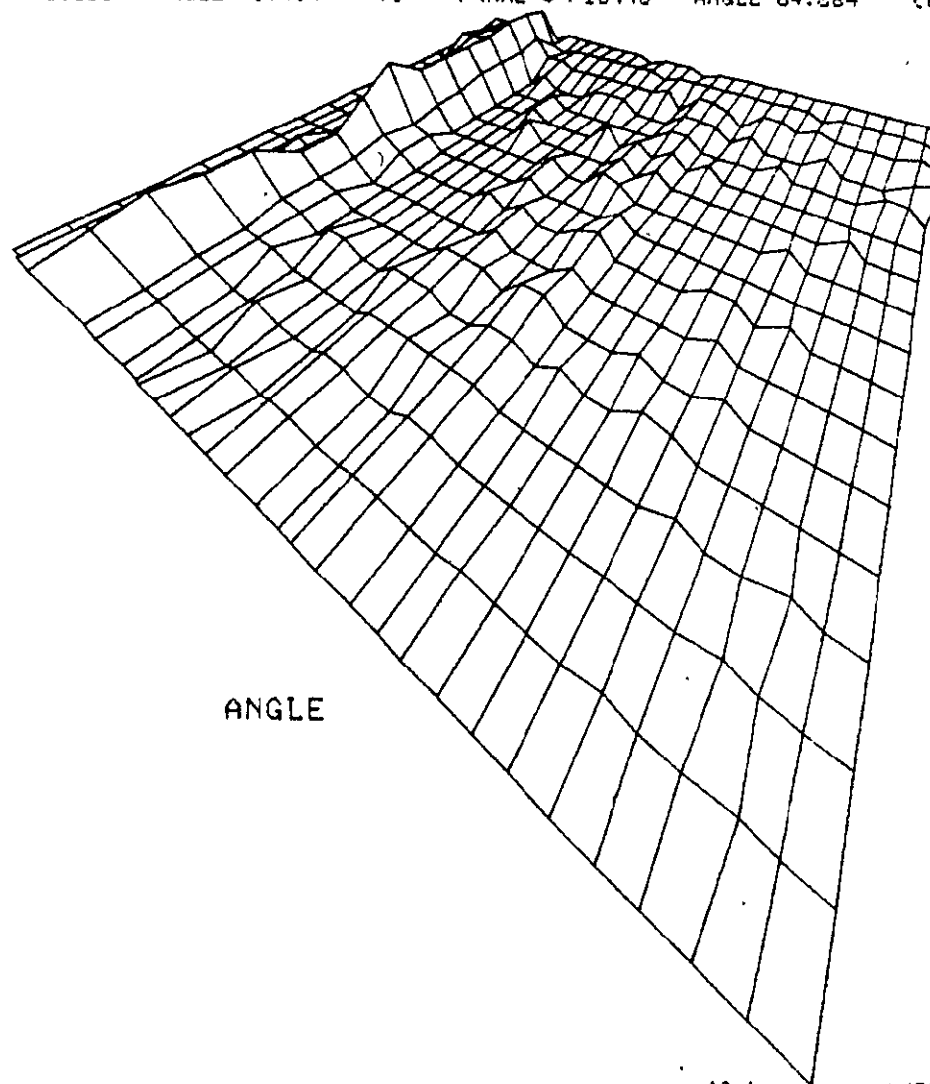
U, R, A DISPLAY (VELOCITY AT I<sub>MAX</sub>)

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 23 FRAME # 15838 ANGLE 9.404 TO FRAME # 16446 ANGLE 64.364 CRITICAL AMP AT CELL 62  
 OPTION # 21-2

MAXIMUM U = 13.0  
 AVERAGE U = 2.3

ANGLE  
 1 10.1  
 2 10.8  
 3 11.9  
 4 13.4  
 5 15.0  
 6 16.8  
 7 18.6  
 8 20.3  
 9 22.0  
 10 23.8  
 11 25.6  
 12 27.3  
 13 29.0  
 14 30.8  
 15 32.5  
 16 34.3  
 17 36.0  
 18 37.7  
 19 39.4  
 20 41.3  
 21 43.0  
 22 44.6  
 23 46.3  
 24 48.1  
 25 49.8  
 26 51.5  
 27 53.2  
 28 55.0  
 29 56.7  
 30 58.5  
 31 60.2  
 32 62.1  
 33 63.7  
 34 64.7

64.7



ANGLE

10.1

483.9

156.5

P  
 1 156.5  
 2 175.7  
 3 195.0  
 4 214.3  
 5 233.5  
 6 252.8  
 7 272.0  
 8 291.3  
 9 310.6  
 10 329.8  
 11 349.1  
 12 368.3  
 13 387.6  
 14 406.9  
 15 426.1  
 16 445.4  
 17 463.9

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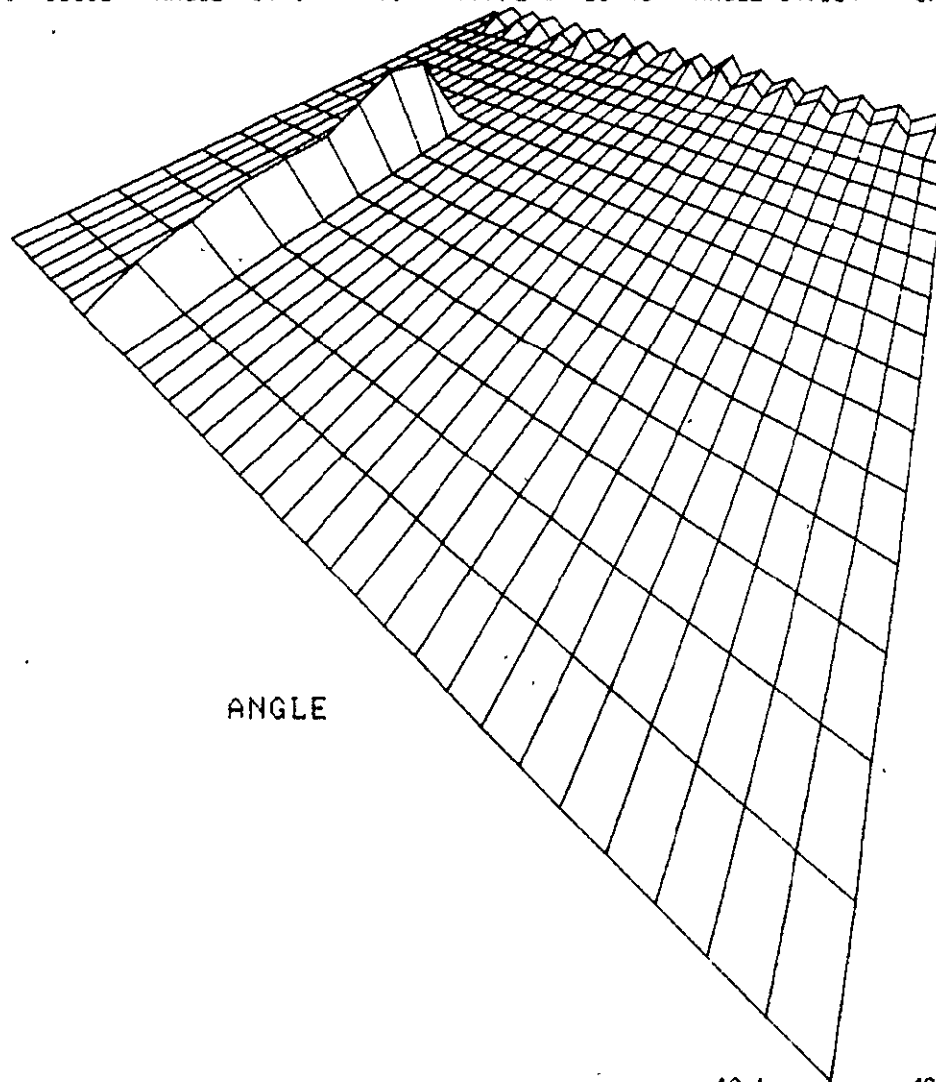
U, R, A DISPLAY (VELOCITY AT I MAX)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 23 FRAME # 15838 ANGLE 9.404 TO FRAME # 16446 ANGLE 64.334 CRITICAL AMP AT CELL 62  
 OPTION # 22-1

MAXIMUM U = 13.0  
 AVERAGE U = 1.3

ANGLE  
 1 10.1  
 2 10.8  
 3 11.9  
 4 13.4  
 5 15.0  
 6 16.8  
 7 18.6  
 8 20.3  
 9 22.0  
 10 23.8  
 11 25.6  
 12 27.3  
 13 29.0  
 14 30.8  
 15 32.5  
 16 34.3  
 17 36.0  
 18 37.7  
 19 39.4  
 20 41.3  
 21 43.0  
 22 44.6  
 23 46.3  
 24 48.1  
 25 49.8  
 26 51.5  
 27 53.2  
 28 55.0  
 29 56.7  
 30 58.5  
 31 60.2  
 32 62.1  
 33 63.7  
 34 64.7

64.7



156.5

R  
 1 156.5  
 2 175.7  
 3 195.0  
 4 214.3  
 5 233.5  
 6 252.8  
 7 272.0  
 8 291.3  
 9 310.6  
 10 329.3  
 11 349.1  
 12 368.3  
 13 387.6  
 14 406.9  
 15 426.1  
 16 445.4  
 17 483.9

R

ANGLE

10.1

483.9

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5.

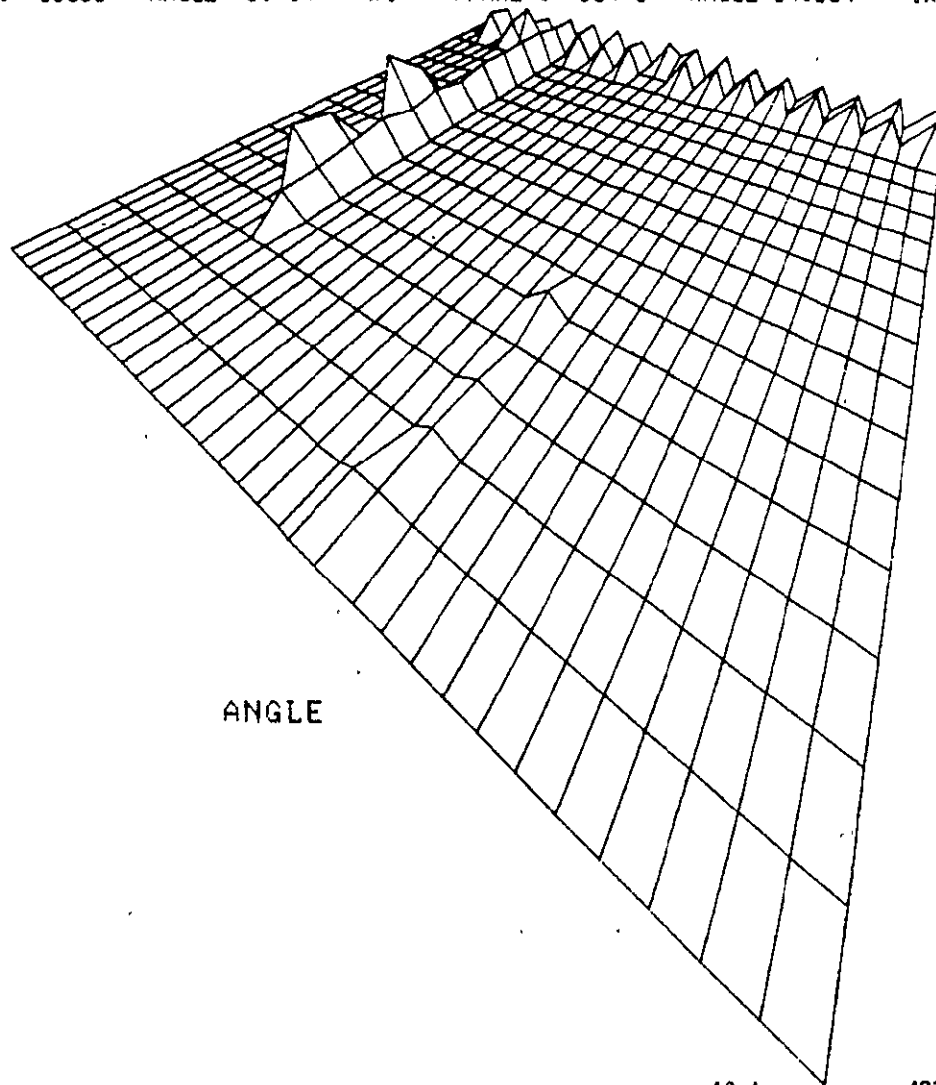
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NASA PROJECT DUST DEVIL DAY 238 PUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 23 FRAME # 15838 ANGLE 9.404 TO FRAME # 16446 ANGLE 64.834 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 14.0  
 AVERAGE U = 1.5

ANGLE  
 1 10.1  
 2 10.8  
 3 11.9  
 4 13.4  
 5 15.0  
 6 16.8  
 7 18.6  
 8 20.3  
 9 22.0  
 10 23.8  
 11 25.6  
 12 27.3  
 13 29.0  
 14 30.8  
 15 32.5  
 16 34.3  
 17 36.0  
 18 37.7  
 19 39.4  
 20 41.3  
 21 43.0  
 22 44.6  
 23 46.3  
 24 48.1  
 25 49.8  
 26 51.5  
 27 53.2  
 28 55.0  
 29 56.7  
 30 58.5  
 31 60.2  
 32 62.1  
 33 63.7  
 34 64.7

64.7



156.5

R

R  
 1 156.5  
 2 175.7  
 3 195.0  
 4 214.3  
 5 233.5  
 6 252.8  
 7 272.0  
 8 291.3  
 9 310.6  
 10 329.3  
 11 349.1  
 12 368.3  
 13 387.6  
 14 406.9  
 15 426.1  
 16 445.4  
 17 463.9

10.1

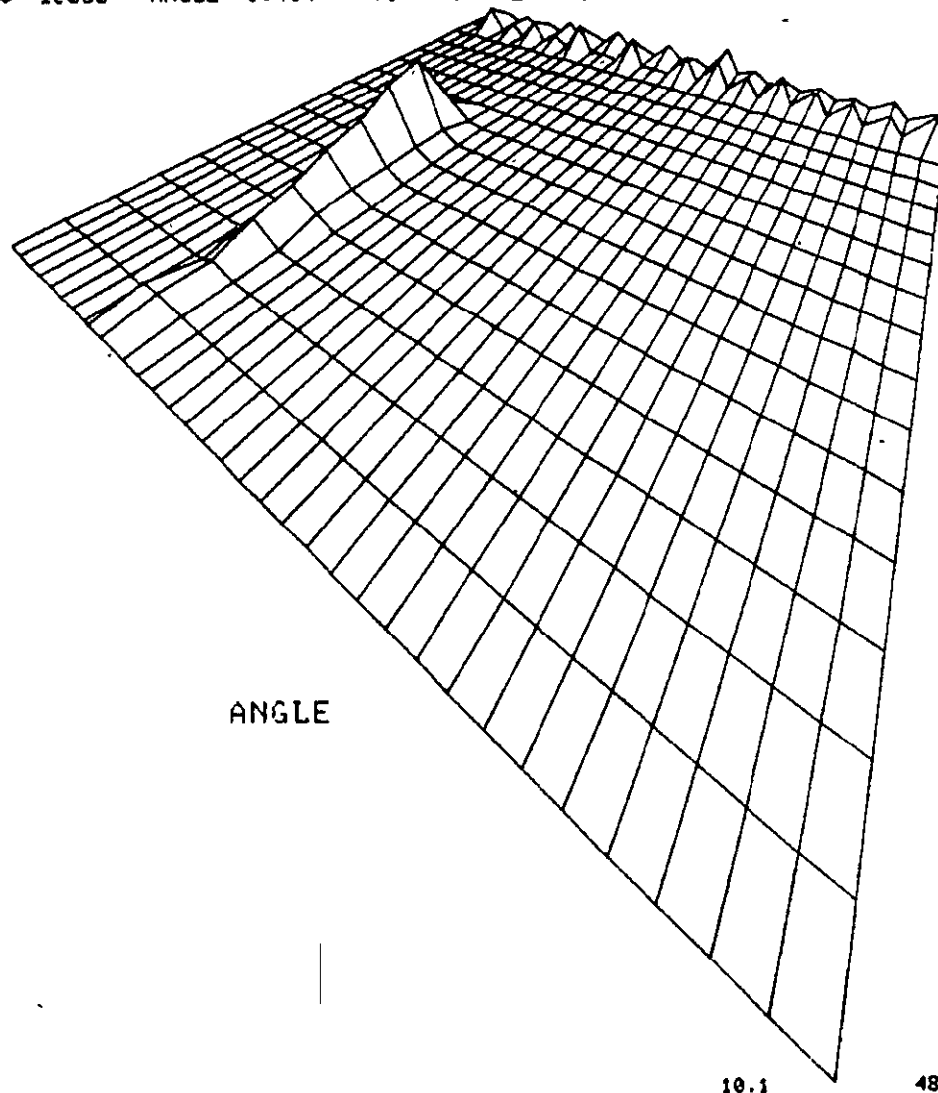
483.9

U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 23 FRAME # 15338 ANGLE 9.404 TO FRAME # 16446 ANGLE 64.824 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 10.1  
 2 10.8  
 3 11.9  
 4 13.4  
 5 15.0  
 6 16.8  
 7 18.6  
 8 20.3  
 9 22.0  
 10 23.8  
 11 25.6  
 12 27.3  
 13 29.0  
 14 30.8  
 15 32.5  
 16 34.3  
 17 36.0  
 18 37.7  
 19 39.4  
 20 41.3  
 21 43.0  
 22 44.6  
 23 46.3  
 24 48.1  
 25 49.8  
 26 51.5  
 27 53.2  
 28 55.0  
 29 56.7  
 30 58.5  
 31 60.2  
 32 62.1  
 33 63.7  
 34 64.7

64.7



R  
 1 156.5  
 2 175.7  
 3 195.0  
 4 214.3  
 5 233.5  
 6 252.8  
 7 272.0  
 8 291.3  
 9 310.6  
 10 329.8  
 11 349.1  
 12 368.3  
 13 387.6  
 14 406.9  
 15 426.1  
 16 445.4  
 17 463.9

U \* I<sub>MAX</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 1 OF 2- 6110  
 \* SCAN # 23 FRAME # 15838 ANGLE 9.404 TO FRAME # 16446 ANGLE 64.864 CRITICAL AMP HT CELL 62

OPTION # 31-2

ANGLE  
 1 10.1  
 2 10.8  
 3 11.9  
 4 13.4  
 5 15.0  
 6 16.8  
 7 18.6  
 8 20.3  
 9 22.0  
 10 23.8  
 11 25.6  
 12 27.3  
 13 29.0  
 14 30.8  
 15 32.5  
 16 34.3  
 17 36.0  
 18 37.7  
 19 39.4  
 20 41.3  
 21 43.0  
 22 44.6  
 23 46.3  
 24 48.1  
 25 49.8  
 26 51.5  
 27 53.2  
 28 55.0  
 29 56.7  
 30 58.5  
 31 60.2  
 32 62.1  
 33 63.7  
 34 64.7

64.7

ANGLE

10.1

483.9

156.5

R  
 1 156.5  
 2 175.7  
 3 195.0  
 4 214.3  
 5 233.5  
 6 252.3  
 7 272.0  
 8 291.3  
 9 310.6  
 10 329.6  
 11 349.1  
 12 368.3  
 13 387.6  
 14 406.3  
 15 425.1  
 16 445.4  
 17 463.9

P

U \* I<sub>max</sub>, R, A DISPLAY

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NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 24 FRAME # 16446 ANGLE 64.584 TO FRAME # 17076 ANGLE 9.315 CRITICAL AMP AT CELL 62

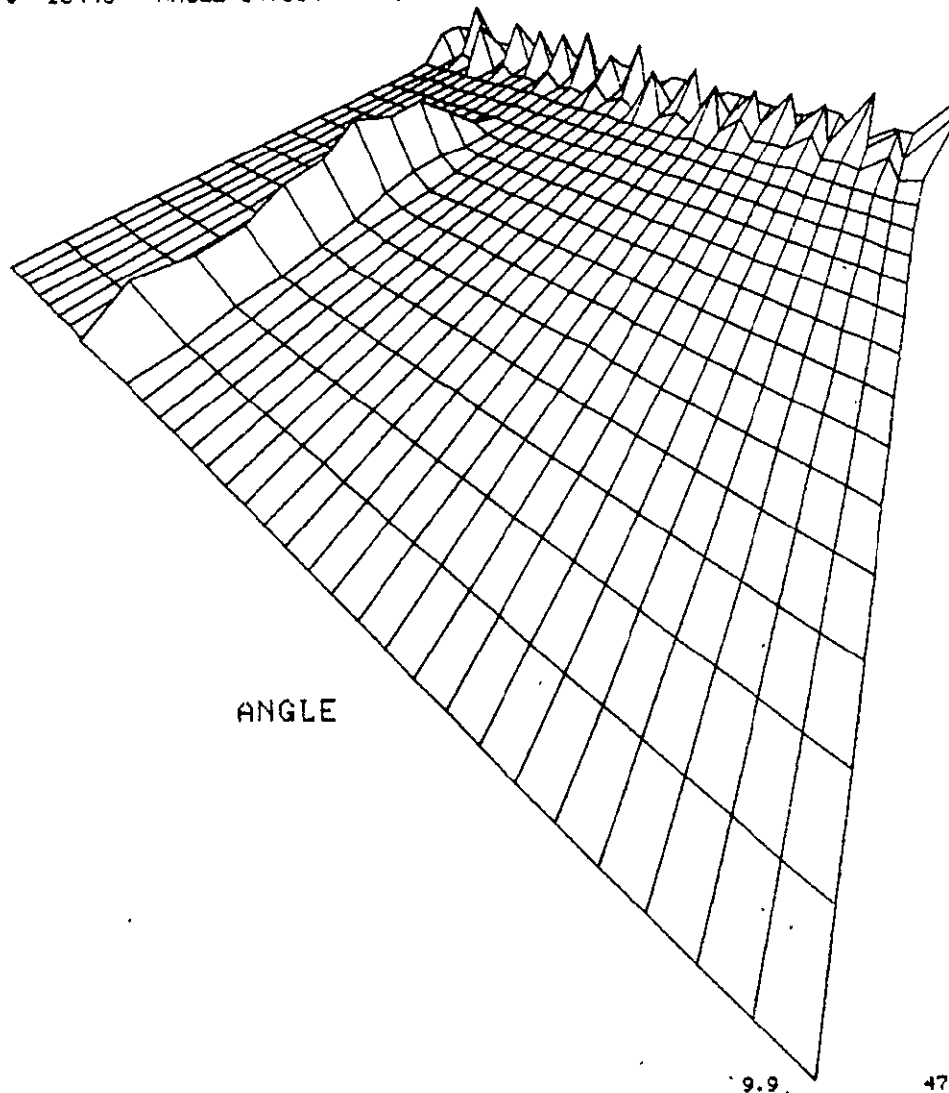
OPTION # 11-1

MAXIMUM I = 31.0

AVERAGE I = 1.5

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 62.9  
 5 61.5  
 6 59.9  
 7 58.2  
 8 56.3  
 9 54.5  
 10 52.8  
 11 51.1  
 12 49.3  
 13 47.7  
 14 46.0  
 15 44.3  
 16 42.7  
 17 40.9  
 18 39.2  
 19 37.4  
 20 35.7  
 21 33.9  
 22 32.1  
 23 30.4  
 24 28.7  
 25 26.9  
 26 25.1  
 27 23.4  
 28 21.6  
 29 19.9  
 30 18.1  
 31 16.3  
 32 14.5  
 33 12.8  
 34 11.0  
 35 9.9

64.6



144.5

R

R  
 1 144.5  
 2 164.2  
 3 183.8  
 4 203.4  
 5 223.1  
 6 242.7  
 7 262.3  
 8 282.0  
 9 301.6  
 10 321.2  
 11 340.8  
 12 360.5  
 13 380.1  
 14 399.7  
 15 419.4  
 16 439.0  
 17 473.3

ANGLE

9.9

478.3

I<sub>max</sub>, R, A DISPLAY

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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 24 FRAME # 16446 ANGLE 64.384 TO FRAME # 17076 ANGLE 9.316 CRITICAL AMP AT CELL 62

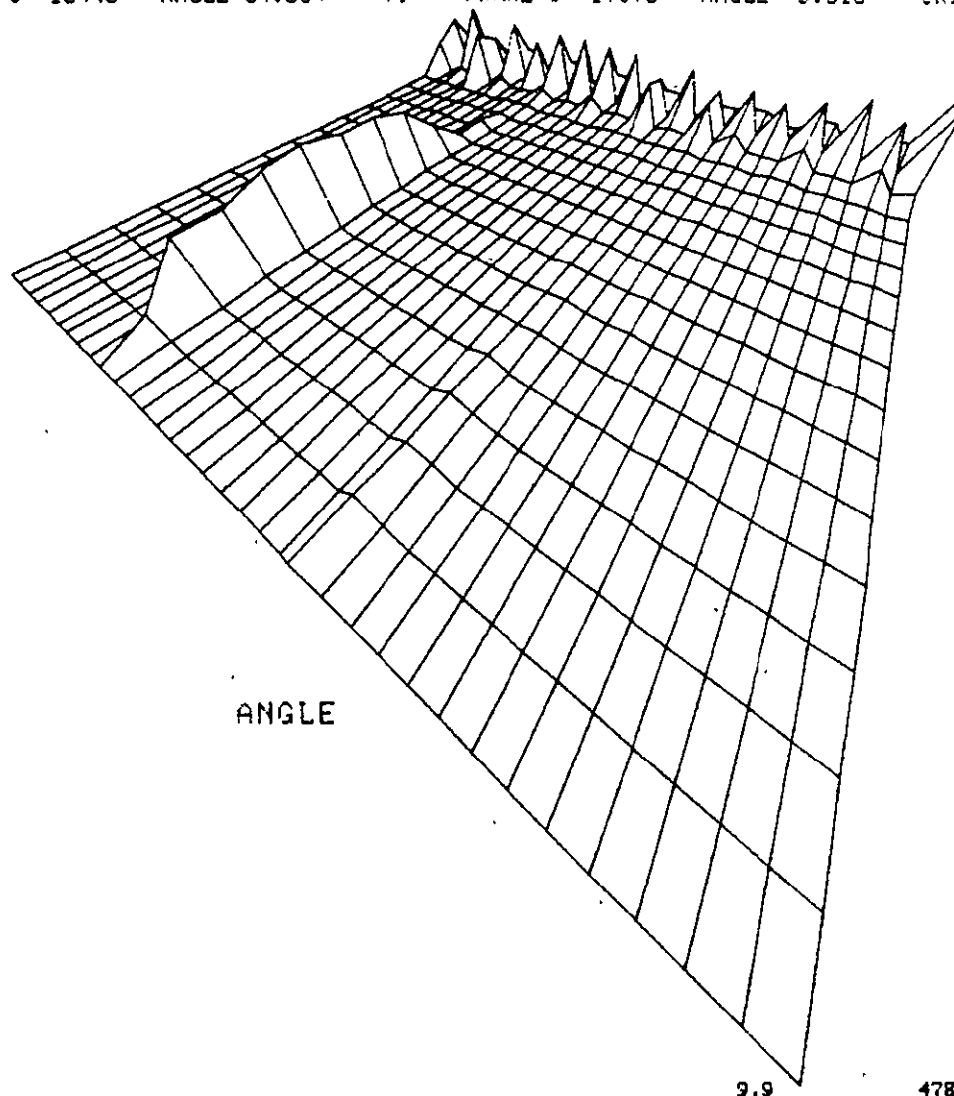
OPTION # 11-2

MAXIMUM I = 48.0

AVERAGE I = 3.2

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 62.9  
 5 61.5  
 6 59.9  
 7 58.2  
 8 56.3  
 9 54.5  
 10 52.8  
 11 51.1  
 12 49.3  
 13 47.7  
 14 46.0  
 15 44.3  
 16 42.7  
 17 40.9  
 18 39.2  
 19 37.4  
 20 35.7  
 21 33.9  
 22 32.1  
 23 30.4  
 24 28.7  
 25 26.9  
 26 25.1  
 27 23.4  
 28 21.6  
 29 19.9  
 30 18.1  
 31 16.3  
 32 14.5  
 33 12.8  
 34 11.0  
 35 9.9

64.6



144.5

R  
 1 144.5  
 2 164.2  
 3 183.8  
 4 203.4  
 5 223.1  
 6 242.7  
 7 262.3  
 8 282.0  
 9 301.6  
 10 321.2  
 11 340.3  
 12 360.5  
 13 380.1  
 14 399.7  
 15 419.4  
 16 439.0  
 17 478.3

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 235 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 24 FRAME # 16446 ANGLE 64.834 TO FRAME # 17076 ANGLE 9.316 CRITICAL WMP AT CELL 62

OPTION # 12-1

MAXIMUM I = 24.0

AVERAGE I = 0.3

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 62.9  
 5 61.5  
 6 59.9  
 7 58.2  
 8 56.3  
 9 54.5  
 10 52.8  
 11 51.1  
 12 49.3  
 13 47.7  
 14 46.0  
 15 44.3  
 16 42.7  
 17 40.9  
 18 39.2  
 19 37.4  
 20 35.7  
 21 33.9  
 22 32.1  
 23 30.4  
 24 28.7  
 25 26.9  
 26 25.1  
 27 23.4  
 28 21.6  
 29 19.9  
 30 18.1  
 31 16.3  
 32 14.5  
 33 12.8  
 34 11.0  
 35 9.9

64.6

ANGLE

144.5

P  
 1 144.5  
 2 164.2  
 3 183.8  
 4 203.4  
 5 223.1  
 6 242.7  
 7 262.3  
 8 282.0  
 9 301.6  
 10 321.2  
 11 340.8  
 12 360.5  
 13 380.1  
 14 399.7  
 15 419.4  
 16 439.0  
 17 478.3

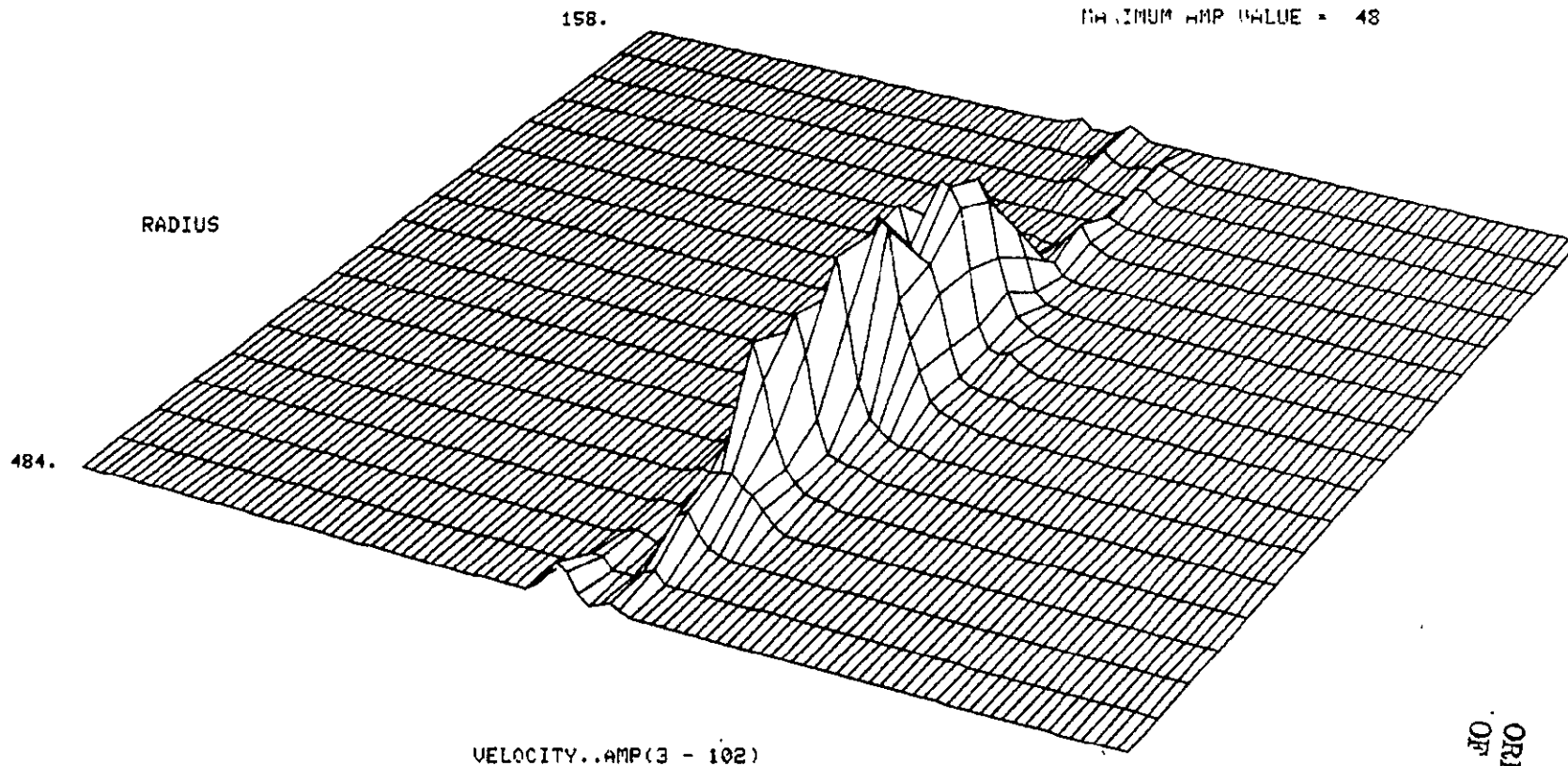
R

9.9

478.3

I, R, A DISPLAY AT VELOCITY CELL 62

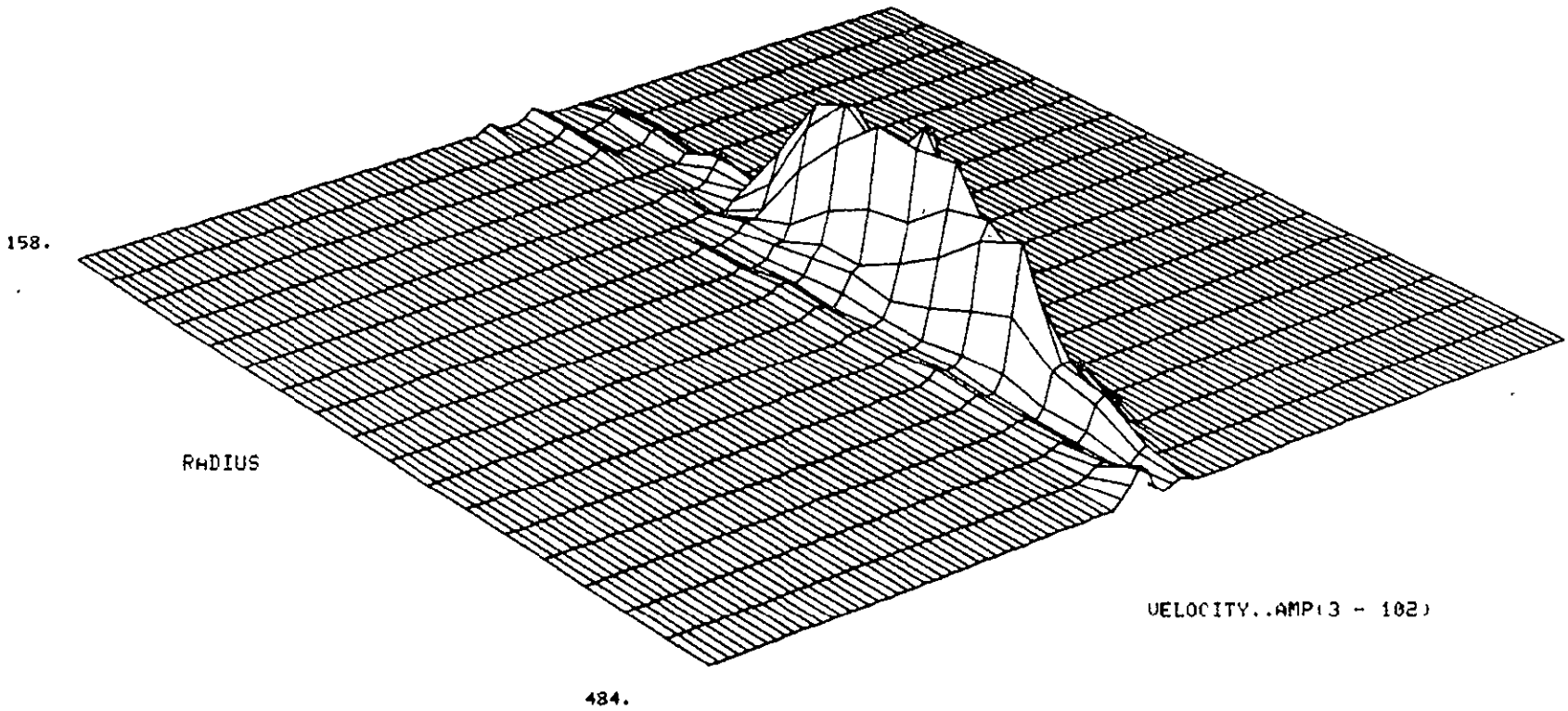
NASA PROJECT DUST DEVIL DAY 233 PLN # 4 TAPE 2 OF 2-29226  
 SCAN # 24 FRAME # 16446 ANGLE 64.854 TC FRAME # 17078 ANGLE 9.316 CRITICAL AMP AT CELL 62  
 FRAME # 16604 TO 16622  
 ANGLE = 52.72  
 MAXIMUM AMP VALUE = 48



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\*

NASA PROJECT DUST DEVIL      DAY 232      RUN # 4      TAPE 2 OF 2-29226  
SCAN # 24      FRAME # 16446      ANGLE 64.834      TO      FRAME # 17076      ANGLE 9.316      CRITICAL AMP AT CELL 62  
FRAME # 16604 TO 16622  
ANGLE = 52.78  
MAXIMUM AMP VALUE = 48



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OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 250 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 24 FRAME # 16446 ANGLE 64.384 TO FRAME # 17076 ANGLE 9.316 CRITICAL AMP AT CELL 62

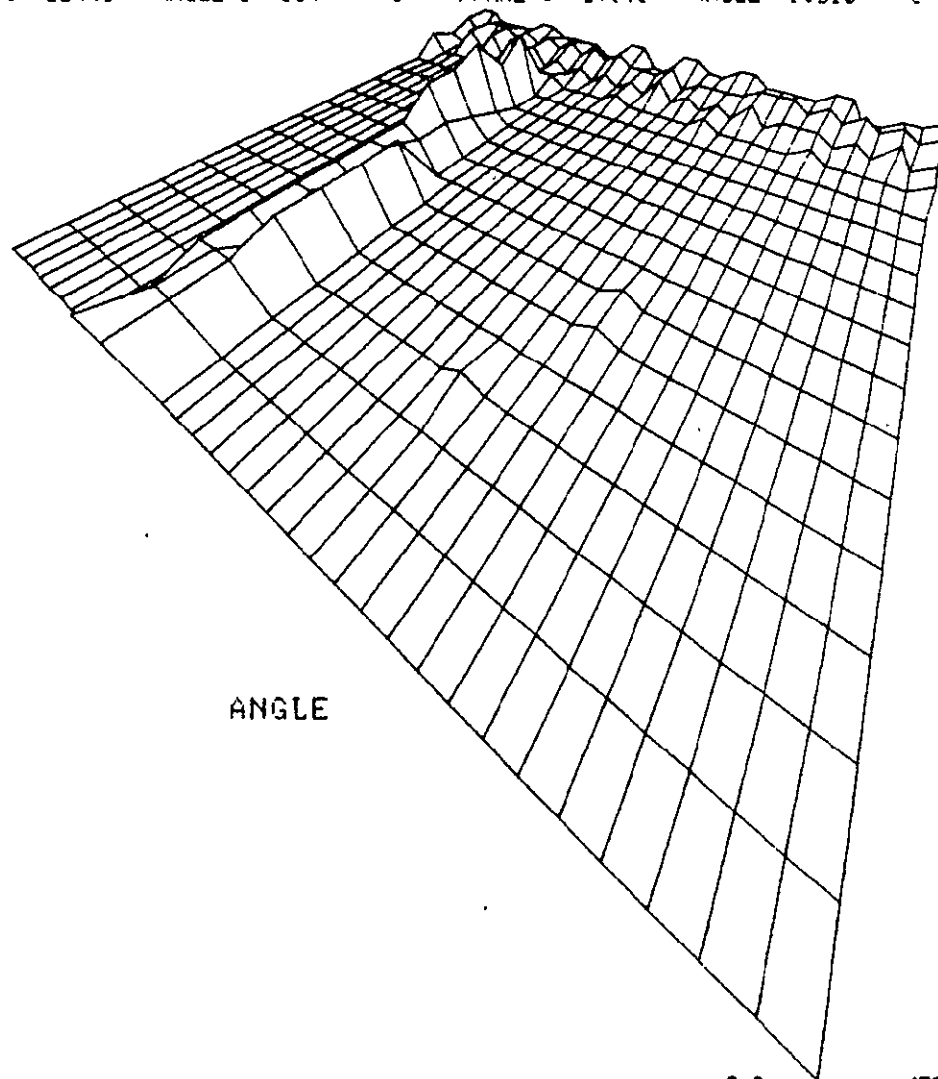
OPTION # 21-1

MAXIMUM U = 8.0

AVERAGE U = 1.4

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 62.9  
 5 61.5  
 6 59.9  
 7 58.2  
 8 56.3  
 9 54.5  
 10 52.8  
 11 51.1  
 12 49.3  
 13 47.7  
 14 46.0  
 15 44.3  
 16 42.7  
 17 40.9  
 18 39.2  
 19 37.4  
 20 35.7  
 21 33.9  
 22 32.1  
 23 30.4  
 24 28.7  
 25 26.9  
 26 25.1  
 27 23.4  
 28 21.6  
 29 19.9  
 30 18.1  
 31 16.3  
 32 14.5  
 33 12.8  
 34 11.0  
 35 9.9

64.6



R  
 1 144.5  
 2 164.2  
 3 183.8  
 4 203.4  
 5 223.1  
 6 242.7  
 7 262.3  
 8 282.0  
 9 301.6  
 10 321.2  
 11 340.8  
 12 360.5  
 13 380.1  
 14 399.7  
 15 419.4  
 16 439.0  
 17 478.3

9.9

478.3

U, R, A DISPLAY (VELOCITY AT IMAX)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 24 FRAME # 16446 ANGLE 64.834 TO FRAME # 17076 ANGLE 9.316 CRITICAL AMP AT CELL 62

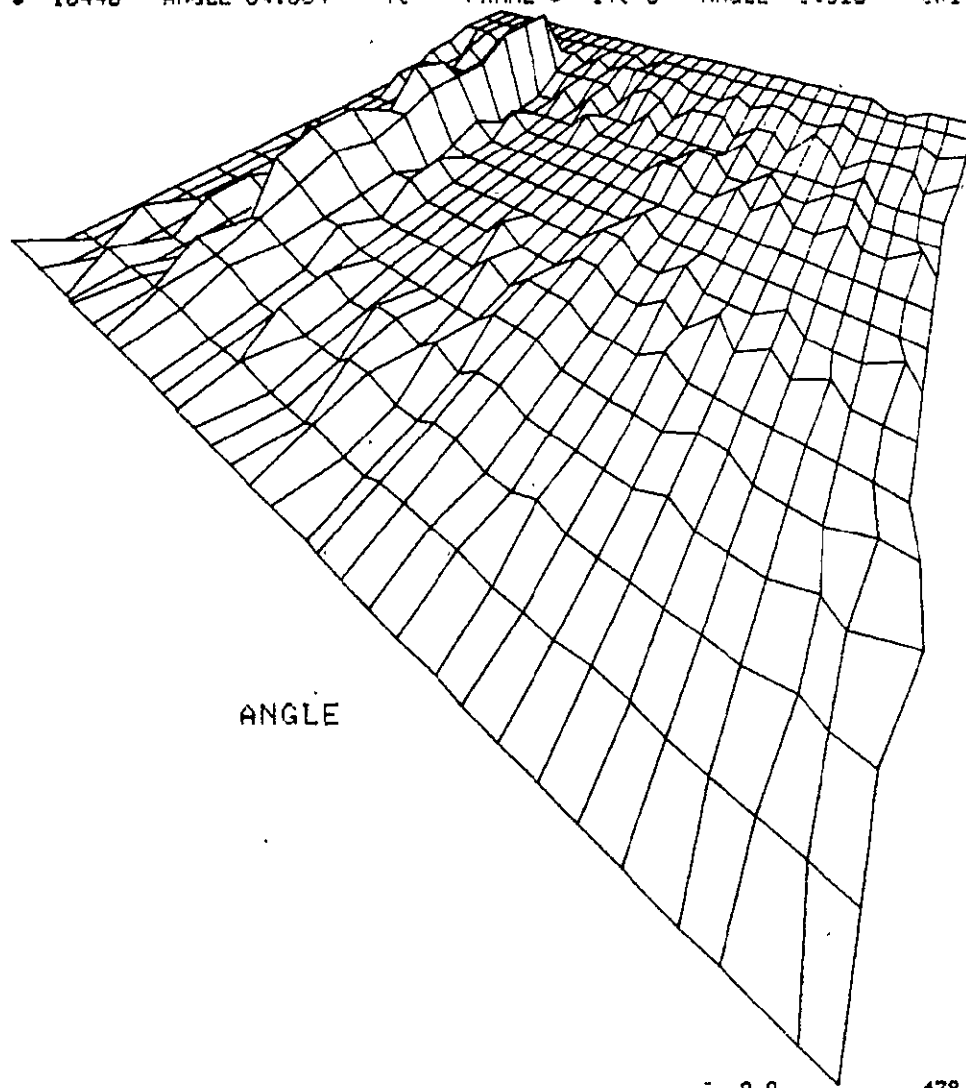
OPTION # 21-2

MAXIMUM U = 10.0

AVERAGE U = 2.2

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 62.9  
 5 61.5  
 6 59.9  
 7 58.2  
 8 56.3  
 9 54.5  
 10 52.8  
 11 51.1  
 12 49.3  
 13 47.7  
 14 46.0  
 15 44.3  
 16 42.7  
 17 40.9  
 18 39.2  
 19 37.4  
 20 35.7  
 21 33.9  
 22 32.1  
 23 30.4  
 24 28.7  
 25 26.9  
 26 25.1  
 27 23.4  
 28 21.6  
 29 19.9  
 30 18.1  
 31 16.3  
 32 14.5  
 33 12.8  
 34 11.0  
 35 9.9

64.6



144.5

R  
 1 144.5  
 2 164.2  
 3 183.8  
 4 203.4  
 5 223.1  
 6 242.7  
 7 262.3  
 8 282.0  
 9 301.6  
 10 321.2  
 11 340.8  
 12 360.5  
 13 380.1  
 14 399.7  
 15 419.4  
 16 439.0  
 17 458.3

P

9.9

478.3

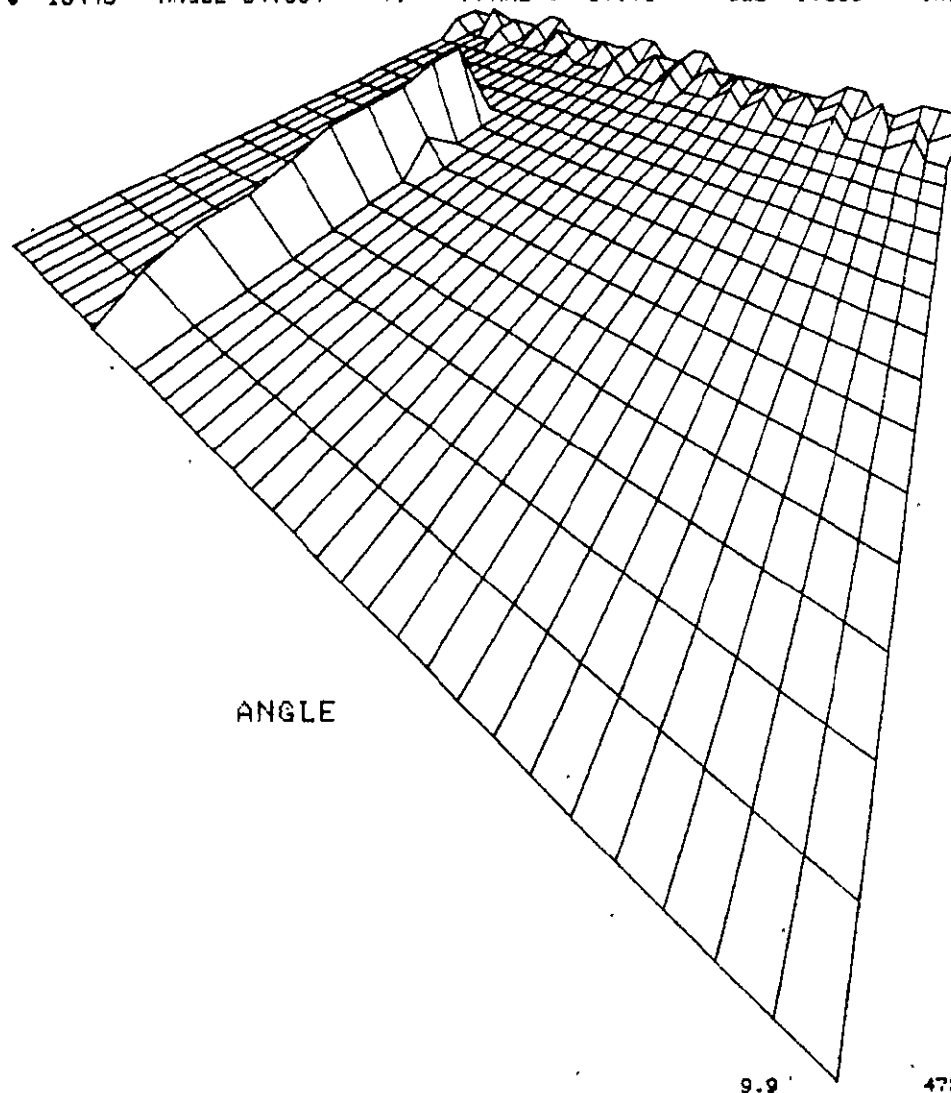
U, R, A DISPLAY (VELOCITY AT I MAX)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 24 FRAME # 16446 ANGLE 64.884 TO FRAME # 17076 ANGLE 9.316 CRITICAL AMP AT CELL 62  
 OPTION # 22-1

MAXIMUM U = 10.0  
 AVERAGE U = 1.3

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 62.9  
 5 61.5  
 6 59.9  
 7 58.2  
 8 56.3  
 9 54.5  
 10 52.8  
 11 51.1  
 12 49.3  
 13 47.7  
 14 46.0  
 15 44.3  
 16 42.7  
 17 40.9  
 18 39.2  
 19 37.4  
 20 35.7  
 21 33.9  
 22 32.1  
 23 30.4  
 24 28.7  
 25 26.9  
 26 25.1  
 27 23.4  
 28 21.6  
 29 19.9  
 30 18.1  
 31 16.3  
 32 14.5  
 33 12.8  
 34 11.0  
 35 9.9

64.6



144.5

R

R  
 1 144.5  
 2 164.2  
 3 183.8  
 4 203.4  
 5 223.1  
 6 242.7  
 7 262.3  
 8 282.0  
 9 301.6  
 10 321.2  
 11 340.2  
 12 360.5  
 13 380.1  
 14 399.7  
 15 419.4  
 16 439.0  
 17 478.3

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URAX, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

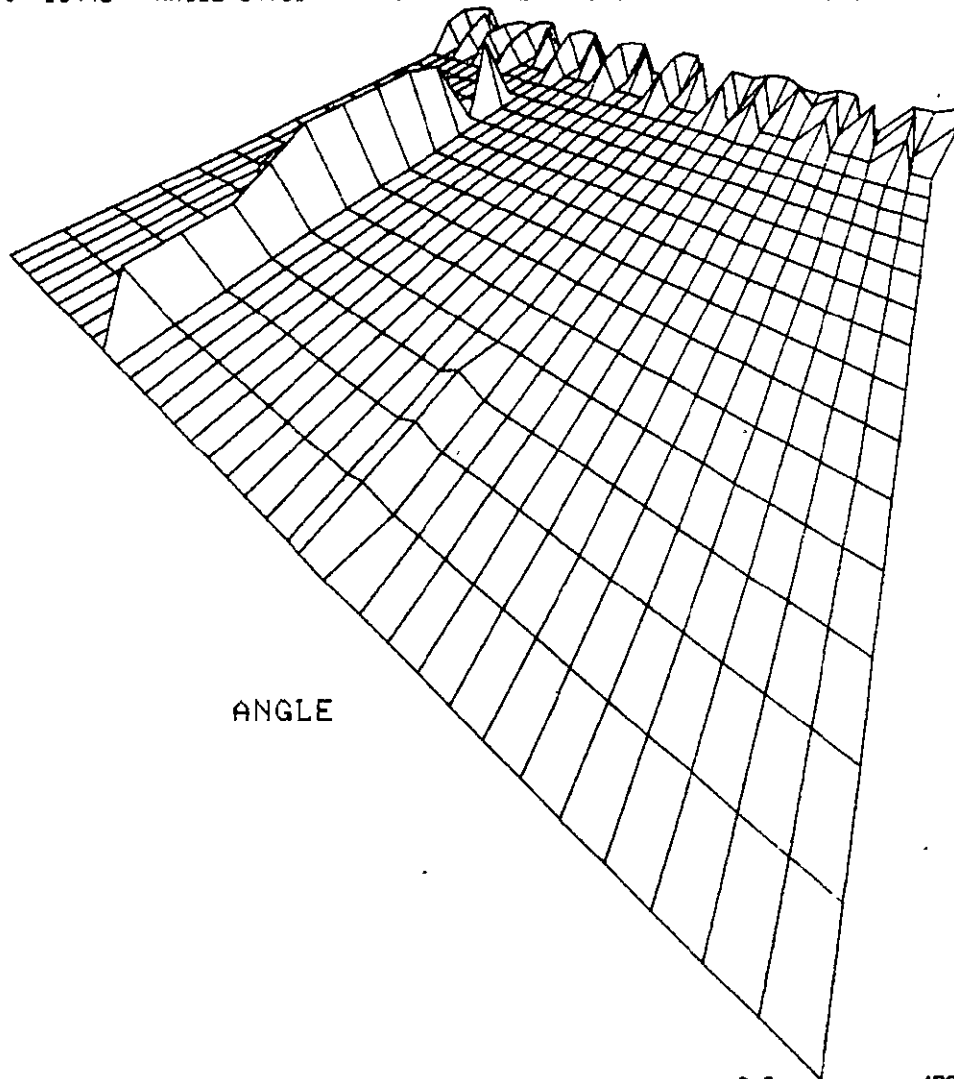


NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 24 FRAME # 16446 ANGLE 64.354 TO FRAME # 17076 ANGLE 9.316 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 11.0  
 AVERAGE U = 1.6

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 62.9  
 5 61.5  
 6 59.9  
 7 58.2  
 8 56.3  
 9 54.5  
 10 52.8  
 11 51.1  
 12 49.3  
 13 47.7  
 14 46.0  
 15 44.3  
 16 42.7  
 17 40.9  
 18 39.2  
 19 37.4  
 20 35.7  
 21 33.9  
 22 32.1  
 23 30.4  
 24 28.7  
 25 26.9  
 26 25.1  
 27 23.4  
 28 21.6  
 29 19.9  
 30 18.1  
 31 16.3  
 32 14.5  
 33 12.8  
 34 11.0  
 35 9.9

64.6



144.5

R  
 1 144.5  
 2 164.2  
 3 183.8  
 4 203.4  
 5 223.1  
 6 242.7  
 7 262.3  
 8 282.0  
 9 301.6  
 10 321.2  
 11 340.3  
 12 360.5  
 13 380.1  
 14 399.7  
 15 419.4  
 16 439.0  
 17 478.3

U

ANGLE

9.9

478.3

Umax, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 24 FRAME # 16446 ANGLE 64.884 TO FRAME # 17076 ANGLE 9.316 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 62.9  
 5 61.5  
 6 59.9  
 7 58.2  
 8 56.3  
 9 54.5  
 10 52.8  
 11 51.1  
 12 49.3  
 13 47.7  
 14 46.0  
 15 44.3  
 16 42.7  
 17 40.9  
 18 39.2  
 19 37.4  
 20 35.7  
 21 33.9  
 22 32.1  
 23 30.4  
 24 28.7  
 25 26.9  
 26 25.1  
 27 23.4  
 28 21.6  
 29 19.9  
 30 18.1  
 31 16.3  
 32 14.5  
 33 12.8  
 34 11.0  
 35 9.9

64.6

ANGLE

9.9

478.3

144.5

R  
 1 144.5  
 2 164.2  
 3 183.8  
 4 203.4  
 5 223.1  
 6 242.7  
 7 262.3  
 8 282.0  
 9 301.6  
 10 321.2  
 11 340.8  
 12 360.5  
 13 380.1  
 14 399.7  
 15 419.4  
 16 439.0  
 17 458.3

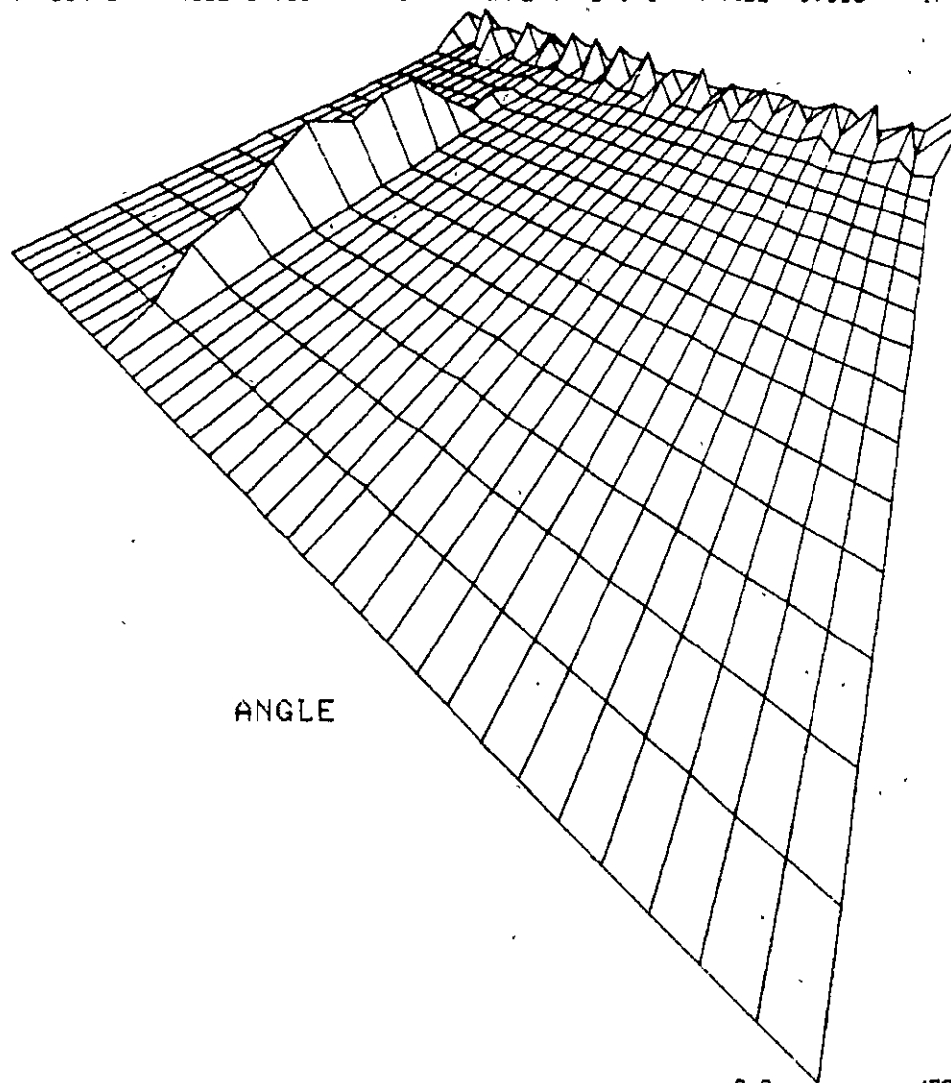
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U \* IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 24 FRAME # 16446 ANGLE 64.384 TO FRAME # 17076 ANGLE 9.316 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 64.6  
 2 64.6  
 3 64.0  
 4 62.9  
 5 61.5  
 6 59.9  
 7 58.2  
 8 56.3  
 9 54.5  
 10 52.8  
 11 51.1  
 12 49.3  
 13 47.7  
 14 46.0  
 15 44.3  
 16 42.7  
 17 40.9  
 18 39.2  
 19 37.4  
 20 35.7  
 21 33.9  
 22 32.1  
 23 30.4  
 24 28.7  
 25 26.9  
 26 25.1  
 27 23.4  
 28 21.6  
 29 19.9  
 30 18.1  
 31 16.3  
 32 14.5  
 33 12.8  
 34 11.0  
 35 9.9

64.6



ANGLE

9.9

478.3

144.5

Q

R  
 1 144.5  
 2 164.2  
 3 183.8  
 4 203.4  
 5 223.1  
 6 242.7  
 7 262.3  
 8 282.0  
 9 301.6  
 10 321.2  
 11 340.8  
 12 360.5  
 13 380.1  
 14 399.7  
 15 419.4  
 16 439.0  
 17 458.3

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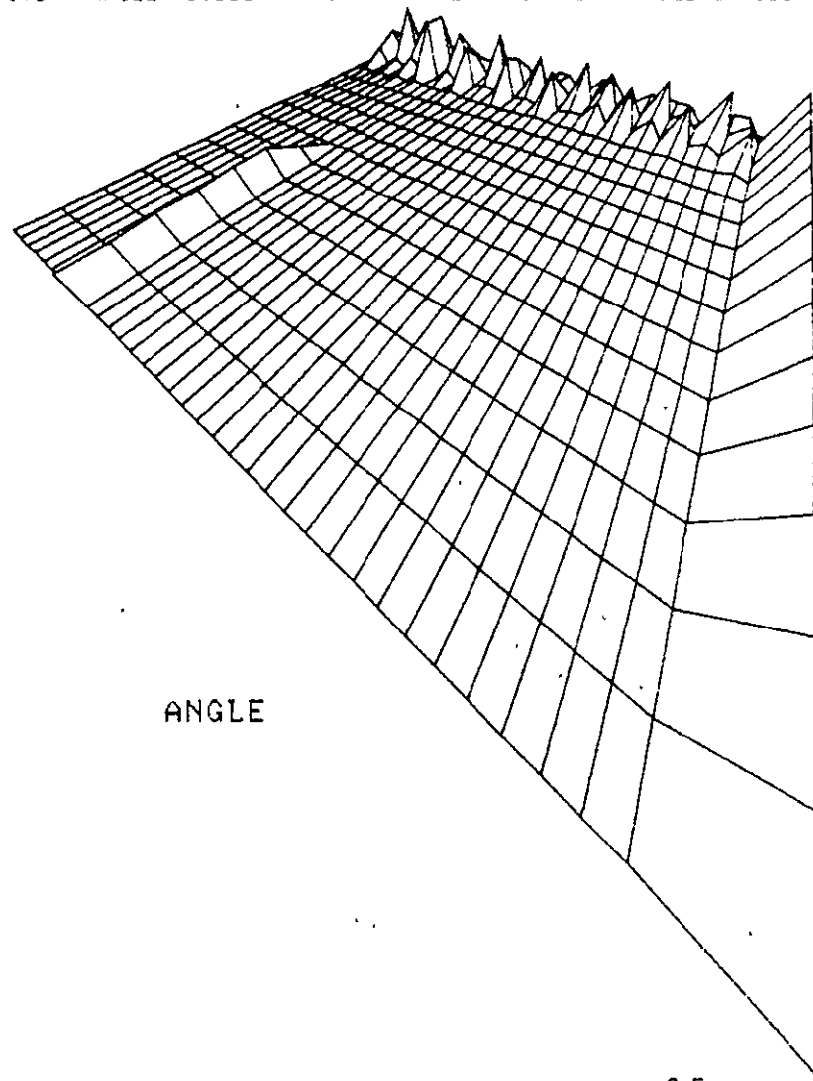
U \* Imax, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TUBE 2 OF 2-29226  
 \* SCAN # 25 FRAME # 17076 ANGLE 9.316 TO FRAME # 17701 ANGLE 64.916 CRITICAL AMP AT CELL 62  
 OPTION # 11-1

MAXIMUM I = 25.0  
 AVERAGE I = 1.8

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.6  
 5 13.0  
 6 14.7  
 7 16.4  
 8 18.2  
 9 19.9  
 10 21.6  
 11 23.4  
 12 25.1  
 13 26.9  
 14 28.6  
 15 30.4  
 16 32.1  
 17 33.9  
 18 35.6  
 19 37.4  
 20 39.2  
 21 40.8  
 22 42.6  
 23 44.3  
 24 46.0  
 25 47.6  
 26 49.3  
 27 51.0  
 28 52.8  
 29 54.5  
 30 56.2  
 31 58.0  
 32 59.7  
 33 61.6  
 34 63.4  
 35 64.6  
 36 64.6

64.6



9.5

143.2

R

R  
 1 143.2  
 2 162.6  
 3 181.9  
 4 201.3  
 5 220.6  
 6 240.0  
 7 259.3  
 8 278.7  
 9 298.0  
 10 317.4  
 11 336.7  
 12 356.1  
 13 375.4  
 14 394.8  
 15 414.1  
 16 432.9

452.9

IMAX, R, A DISPLAY

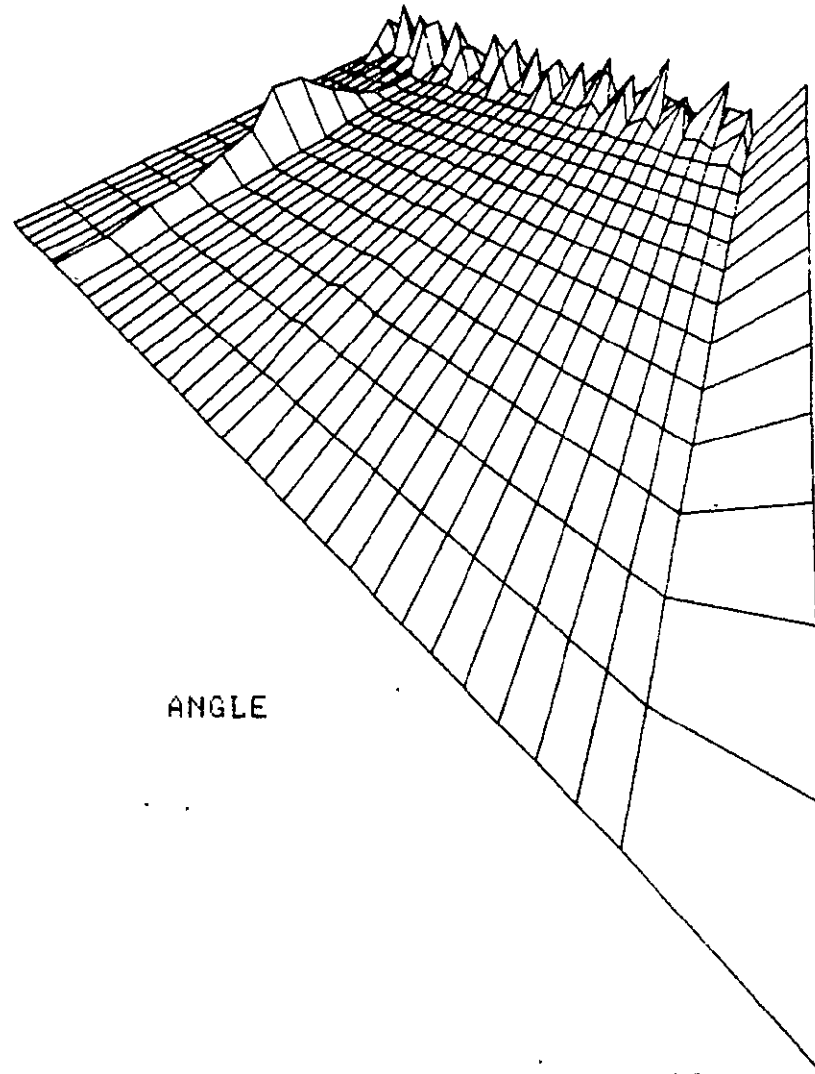
NASA PROJECT DUST DEVIL DAY-238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 25 FRAME # 17076 ANGLE 9.316 TO FRAME # 17701 ANGLE 64.916 OPTICAL AMP AT CELL 62  
 OPTION # 11-2

MAXIMUM I = 48.0

AVERAGE I = 4.1

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.6  
 5 13.0  
 6 14.7  
 7 16.4  
 8 18.2  
 9 19.9  
 10 21.6  
 11 23.4  
 12 25.1  
 13 26.9  
 14 28.6  
 15 30.4  
 16 32.1  
 17 33.9  
 18 35.6  
 19 37.4  
 20 39.2  
 21 40.8  
 22 42.6  
 23 44.3  
 24 46.0  
 25 47.6  
 26 49.3  
 27 51.0  
 28 52.8  
 29 54.5  
 30 56.2  
 31 58.0  
 32 59.7  
 33 61.6  
 34 63.4  
 35 64.6  
 36 64.6

64.6



143.2

R

R  
 1 143.2  
 2 162.6  
 3 181.9  
 4 201.3  
 5 220.6  
 6 240.0  
 7 259.3  
 8 278.7  
 9 298.0  
 10 317.4  
 11 336.7  
 12 356.1  
 13 375.4  
 14 394.3  
 15 414.1  
 16 452.9

9.5

452.9

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 25 FRAME # 17076 ANGLE 9.316 TO FRAME # 17701 ANGLE 64.316 CRITICAL AMP AT CELL 62

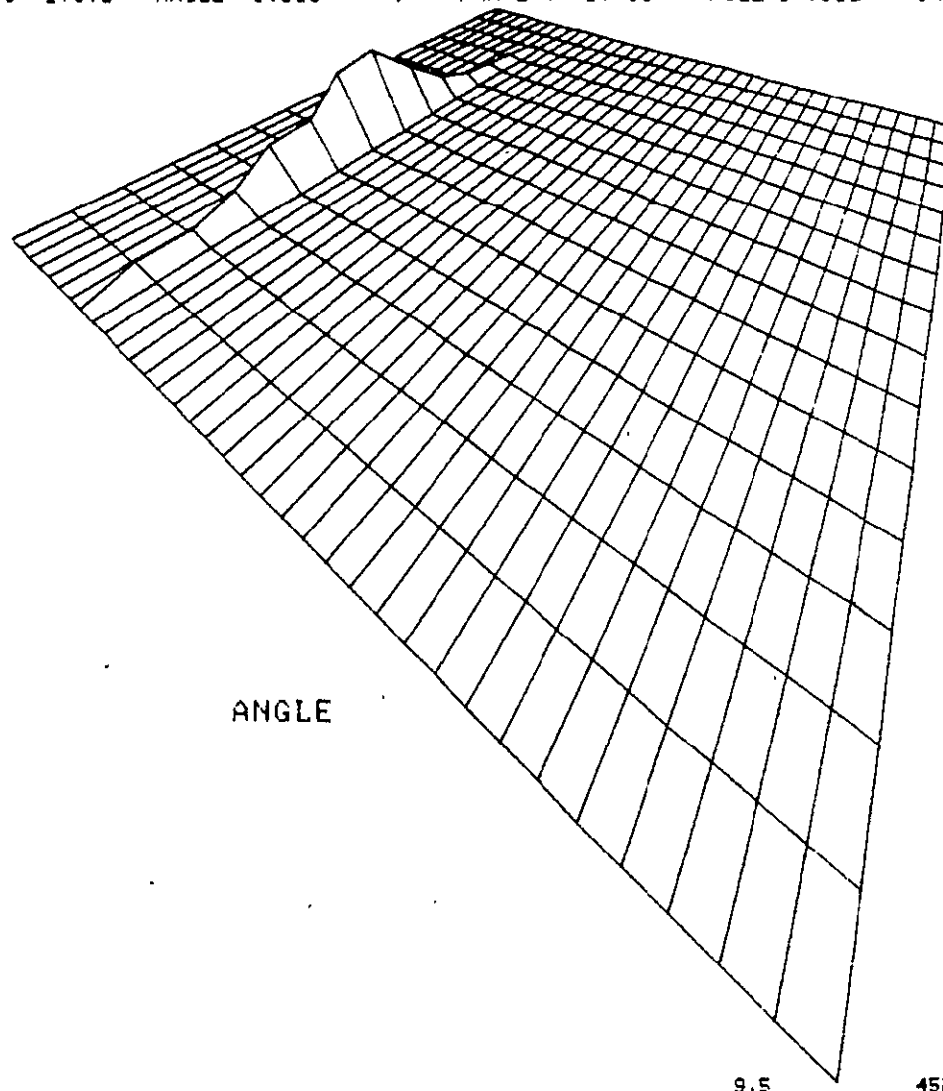
OPTION # 12-1

MAXIMUM I - 39.0

AVERAGE I - 0.3

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.6  
 5 13.0  
 6 14.7  
 7 16.4  
 8 18.2  
 9 19.9  
 10 21.6  
 11 23.4  
 12 25.1  
 13 26.9  
 14 28.6  
 15 30.4  
 16 32.1  
 17 33.9  
 18 35.6  
 19 37.4  
 20 39.2  
 21 40.8  
 22 42.6  
 23 44.3  
 24 46.0  
 25 47.6  
 26 49.3  
 27 51.0  
 28 52.8  
 29 54.5  
 30 56.2  
 31 58.0  
 32 59.7  
 33 61.6  
 34 63.4  
 35 64.6  
 36 64.6

64.6



143.2

R  
 1 143.2  
 2 162.6  
 3 181.9  
 4 201.3  
 5 220.6  
 6 240.0  
 7 259.3  
 8 278.7  
 9 298.0  
 10 317.4  
 11 336.7  
 12 356.1  
 13 375.4  
 14 394.8  
 15 414.1  
 16 432.9

Q

ANGLE

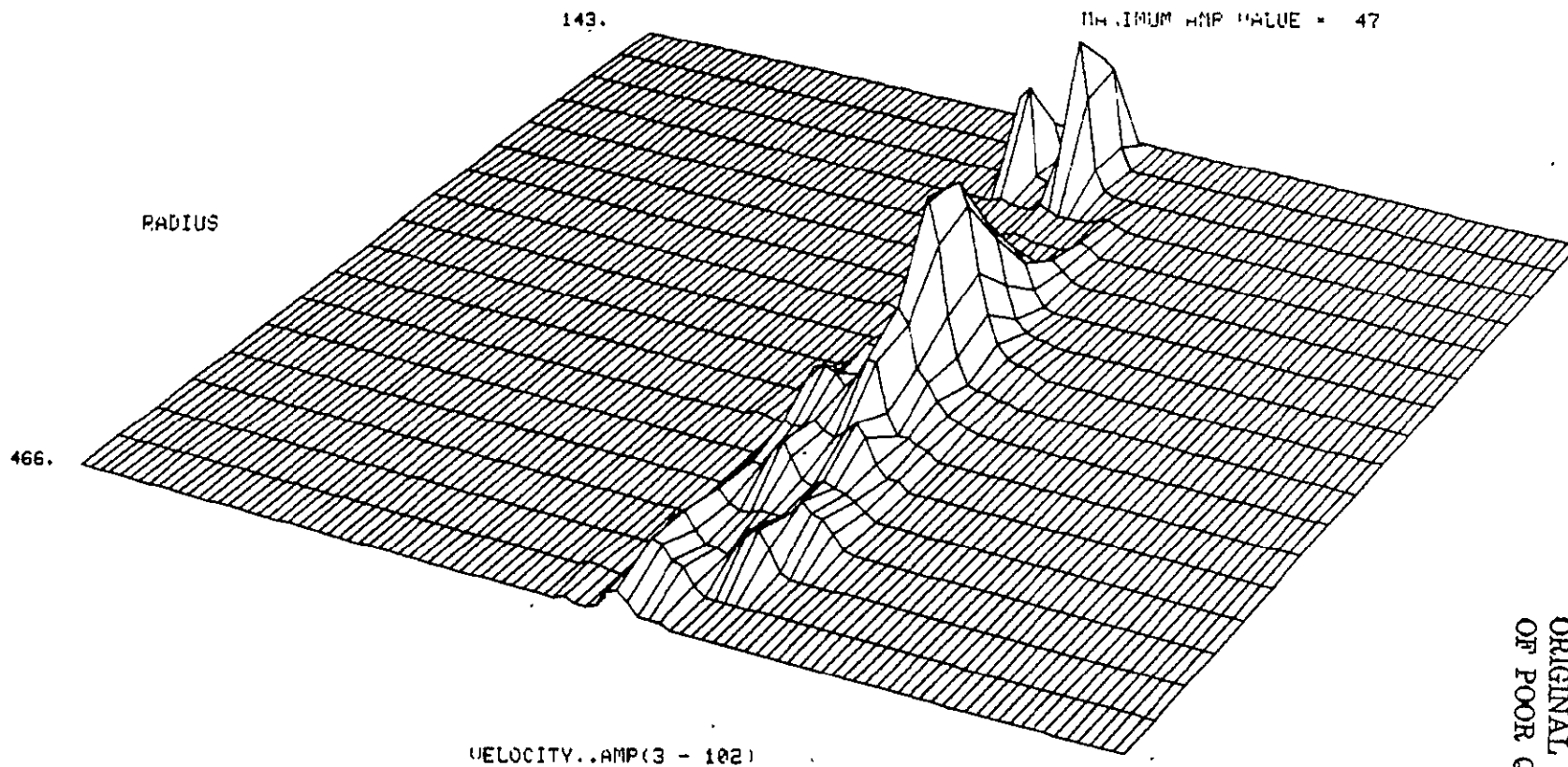
9.5

452.9

I, R, A DISPLAY AT VELOCITY CELL 62

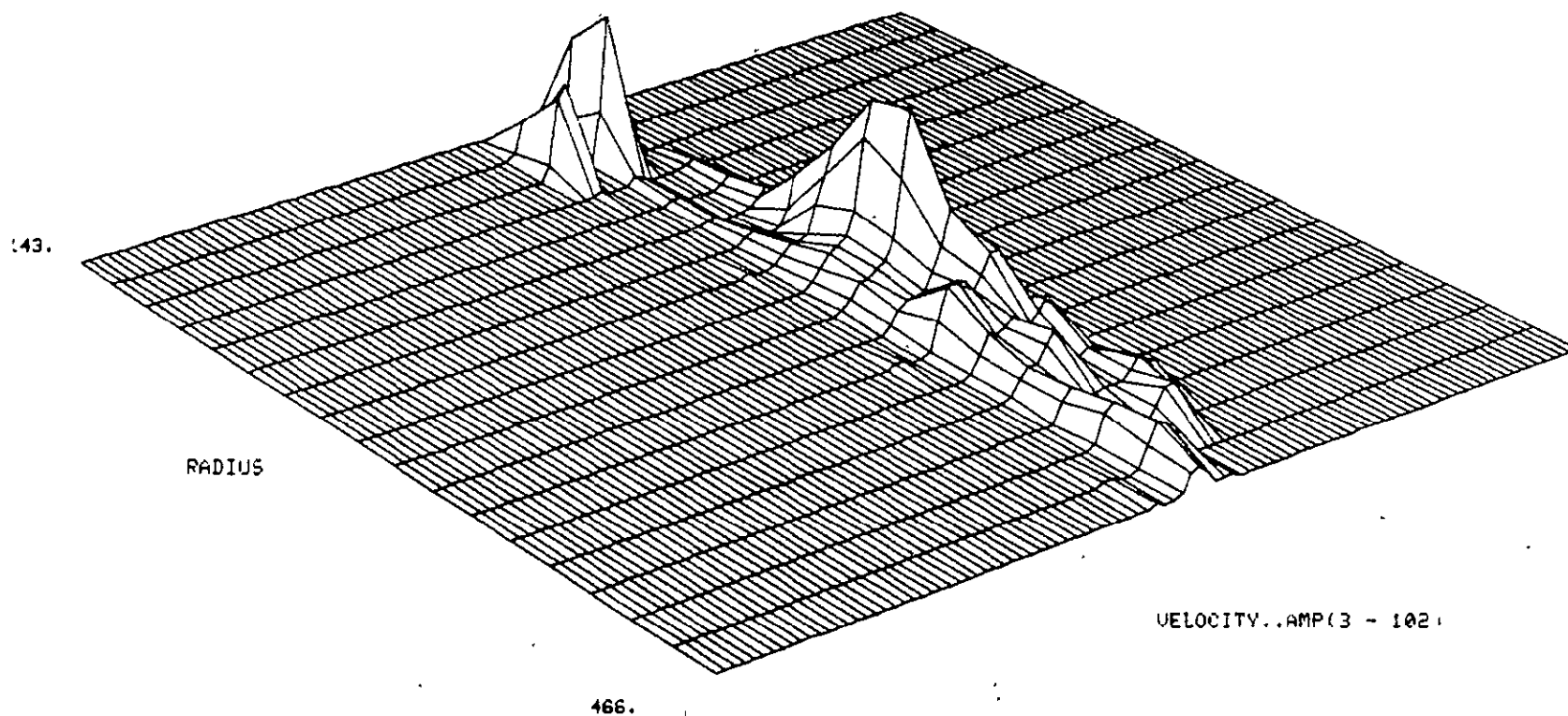
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NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 2 OF 2-29226  
 SCAN # 25 FRAME # 17076 ANGLE 9.316 TO FRAME # 17701 ANGLE 64.916 CRITICAL AMP AT CELL 62  
 FRAME # 17570 TO 17583  
 ANGLE # 54.57  
 MAXIMUM AMP VALUE = 47



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NASA PROJECT DUST DEVIL . DAY 238 RUN # 4 . TAPE 2 OF 2-22226  
SCAN # 25 FRAME # 17076 ANGLE 9.316 TO FRAME # 17701 ANGLE 64.916 CRITICAL AMP AT CELL 62  
FRAME # 17570 TO 17588  
ANGLE = 54.57  
MAXIMUM AMP VALUE = 47





NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 25 FRAME # 17076 ANGLE 9.316 TO FRAME # 17701 ANGLE 64.916 CRITICAL AMP AT CELL 62

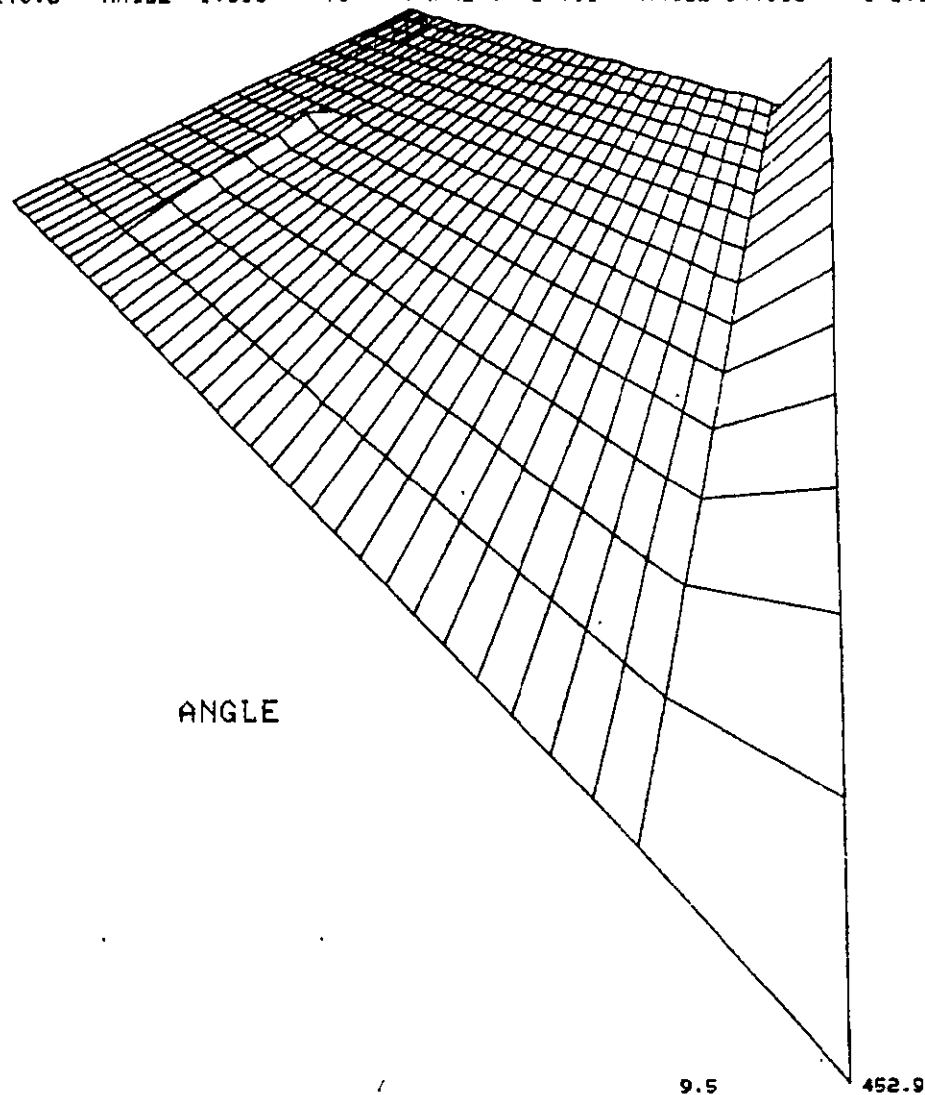
OPTION # 21-1

MAXIMUM U = 55.0

AVERAGE U = 2.7

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.6  
 5 13.0  
 6 14.7  
 7 16.4  
 8 18.2  
 9 19.9  
 10 21.6  
 11 23.4  
 12 25.1  
 13 26.9  
 14 28.6  
 15 30.4  
 16 32.1  
 17 33.9  
 18 35.6  
 19 37.4  
 20 39.2  
 21 40.8  
 22 42.6  
 23 44.3  
 24 46.0  
 25 47.6  
 26 49.3  
 27 51.0  
 28 52.8  
 29 54.5  
 30 56.2  
 31 58.0  
 32 59.7  
 33 61.6  
 34 63.4  
 35 64.6  
 36 64.6

64.6



143.2

R  
 1 143.2  
 2 162.6  
 3 181.9  
 4 201.3  
 5 220.6  
 6 240.0  
 7 259.3  
 8 278.7  
 9 298.0  
 10 317.4  
 11 336.7  
 12 356.1  
 13 375.4  
 14 394.8  
 15 414.1  
 16 452.9

U

9.5

452.9

U, R, A DISPLAY (VELOCITY AT I\_max)

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0.4

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-23226  
 \* SCAN # 25 FRAME # 17076 ANGLE 9.316 TO FRAME # 17701 ANGLE 64.916 CRITICAL AMP AT CELL 62

OPTION # 21-2

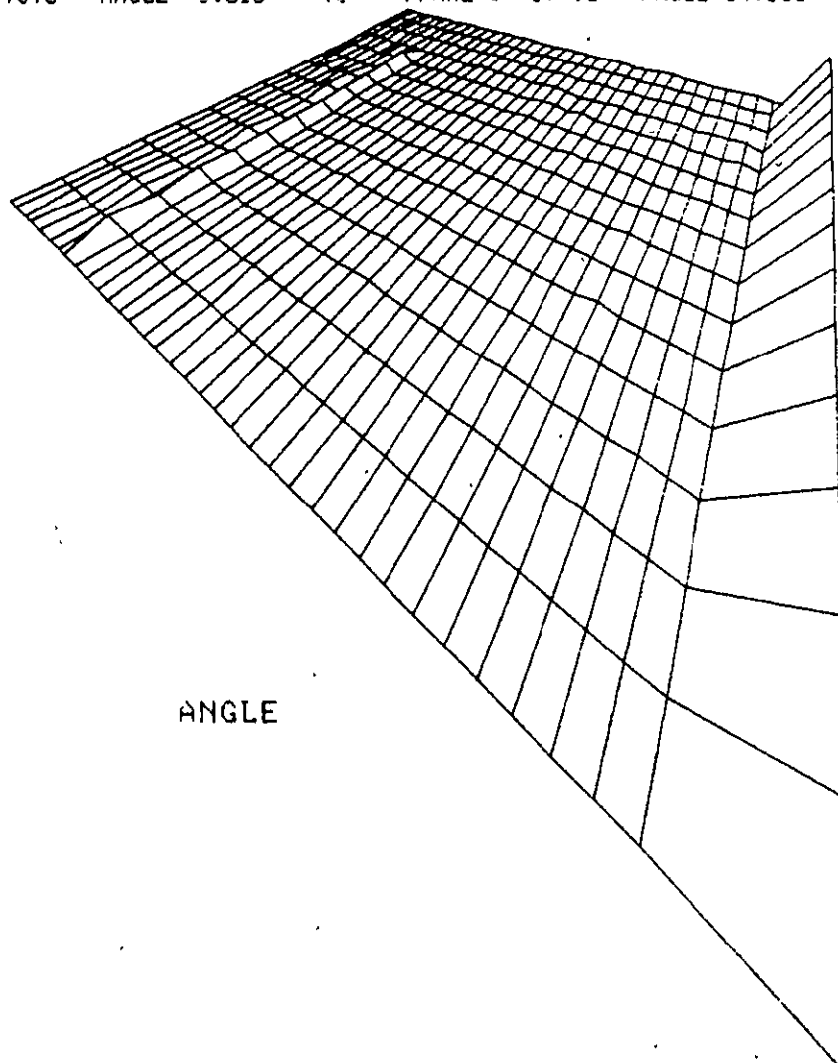
MAXIMUM U = 56.0

AVERAGE U = 3.5

ANGLE

1	9.5
2	10.0
3	10.6
4	11.6
5	13.0
6	14.7
7	16.4
8	18.2
9	19.9
10	21.6
11	23.4
12	25.1
13	26.9
14	28.6
15	30.4
16	32.1
17	33.9
18	35.6
19	37.4
20	39.2
21	40.8
22	42.6
23	44.3
24	46.0
25	47.6
26	49.3
27	51.0
28	52.8
29	54.5
30	56.2
31	58.0
32	59.7
33	61.6
34	63.4
35	64.6
36	64.6

64.6



ANGLE

9.5

452.9

143.2

	R
1	143.2
2	162.6
3	181.9
4	201.3
5	220.6
6	240.0
7	259.3
8	278.7
9	298.0
10	317.4
11	336.7
12	356.1
13	375.4
14	394.8
15	414.1
16	432.9

R

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OF POOR QUALITY

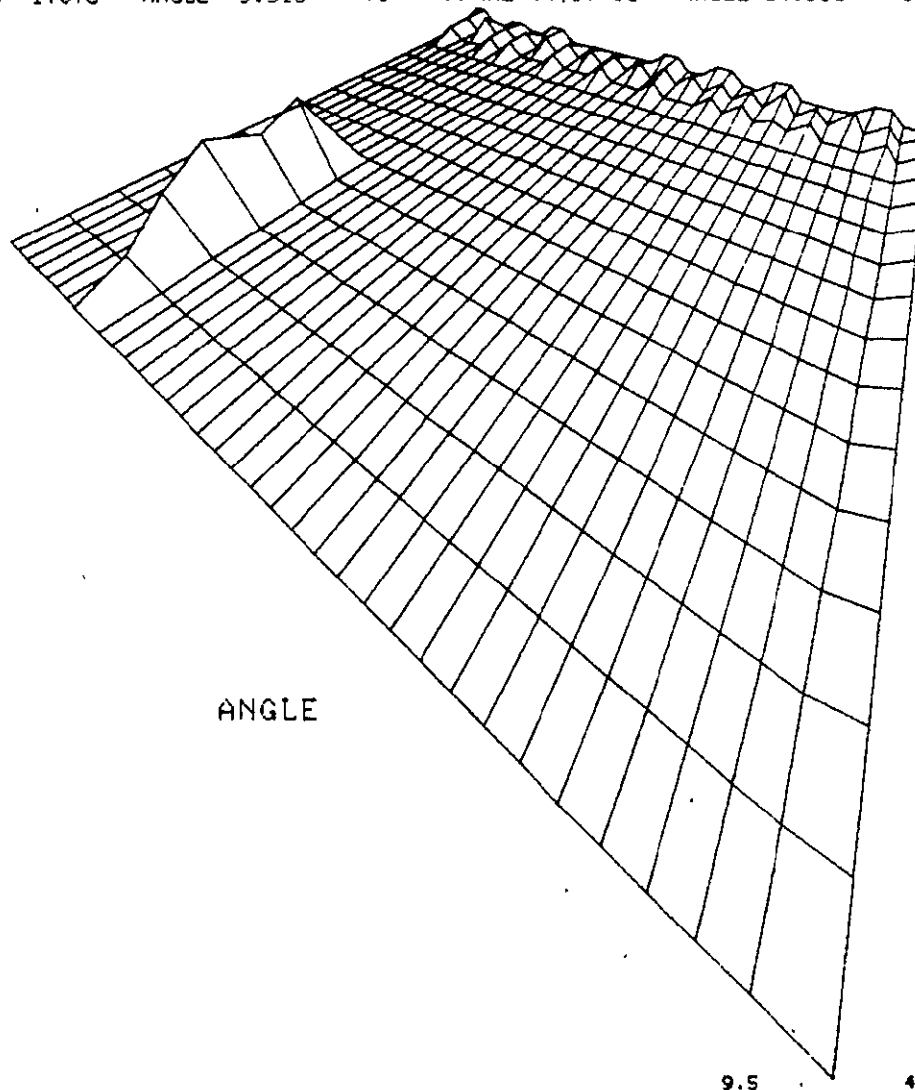
U, R, A DISPLAY (VELOCITY AT MAX)

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 3-29226  
 \* SCAN # 25 FRAME # 17076 ANGLE 9.316 TO FRAME # 17701 ANGLE 64.916 CRITICAL AMP AT CELL 62  
 OPTION # 22-1

MAXIMUM U = 12.0  
 AVERAGE U = 1.3

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.6  
 5 13.0  
 6 14.7  
 7 16.4  
 8 18.2  
 9 19.9  
 10 21.6  
 11 23.4  
 12 25.1  
 13 26.9  
 14 28.6  
 15 30.4  
 16 32.1  
 17 33.9  
 18 35.6  
 19 37.4  
 20 39.2  
 21 40.8  
 22 42.6  
 23 44.3  
 24 46.0  
 25 47.6  
 26 49.3  
 27 51.0  
 28 52.8  
 29 54.5  
 30 56.2  
 31 58.0  
 32 59.7  
 33 61.6  
 34 63.4  
 35 64.6  
 36 64.6

64.6



143.2

R  
 1 143.2  
 2 162.6  
 3 181.9  
 4 201.3  
 5 220.6  
 6 240.0  
 7 259.3  
 8 278.7  
 9 298.0  
 10 317.4  
 11 336.7  
 12 356.1  
 13 375.4  
 14 394.8  
 15 414.1  
 16 432.9

U

9.5

452.9

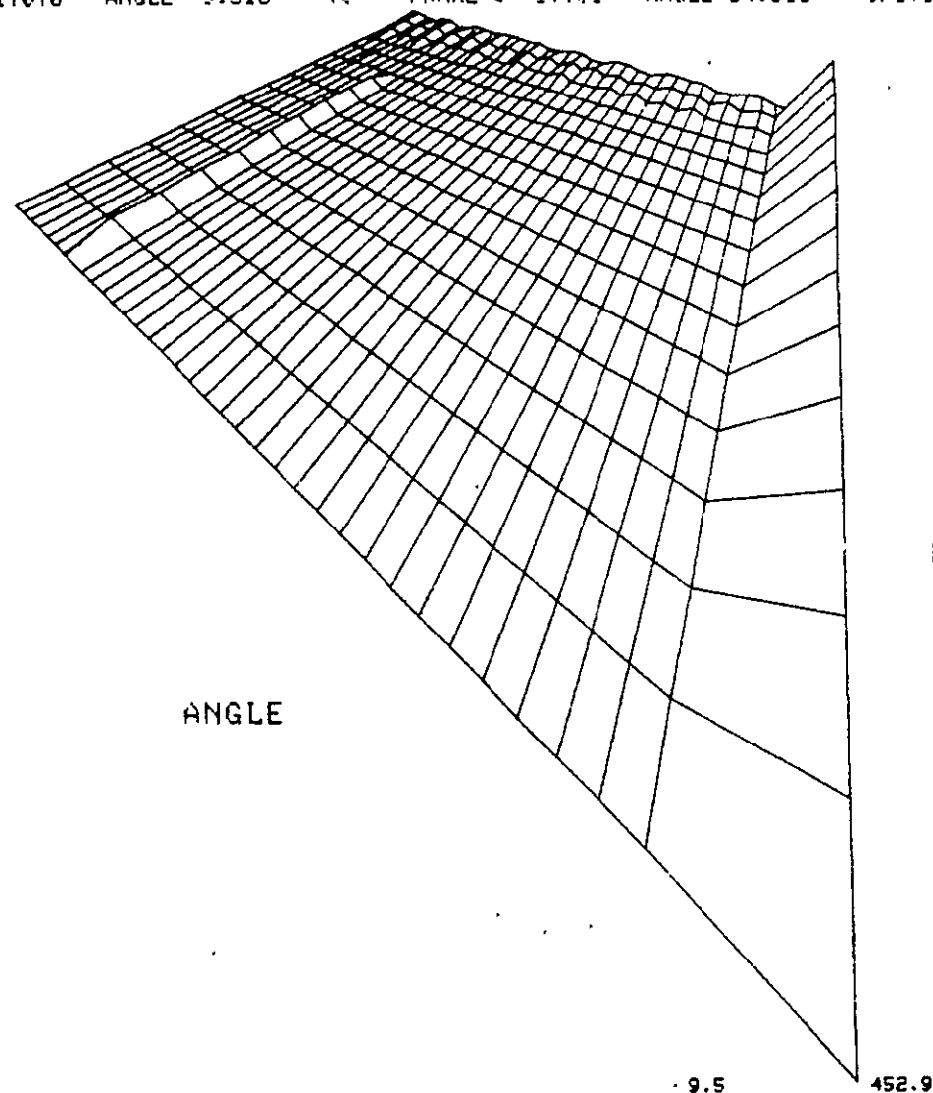
U<sub>max</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

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NASA PROJECT DUST DEVIL DAY 233 RUN # 4. TAPE 2 OF 2-29226  
 \* SCAN # 25 FRAME # 17076 ANGLE 9.316 TO FRAME # 17701 ANGLE 64.916 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 58.0  
 AVERAGE U = 3.1

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.6  
 5 13.0  
 6 14.7  
 7 16.4  
 8 18.2  
 9 19.9  
 10 21.6  
 11 23.4  
 12 25.1  
 13 26.9  
 14 28.6  
 15 30.4  
 16 32.1  
 17 33.9  
 18 35.6  
 19 37.4  
 20 39.2  
 21 40.8  
 22 42.6  
 23 44.3  
 24 46.0  
 25 47.6  
 26 49.3  
 27 51.0  
 28 52.8  
 29 54.5  
 30 56.2  
 31 58.0  
 32 59.7  
 33 61.6  
 34 63.4  
 35 64.6  
 36 64.6



R  
 1 143.2  
 2 162.6  
 3 181.9  
 4 201.3  
 5 220.6  
 6 240.0  
 7 259.3  
 8 278.7  
 9 298.0  
 10 317.4  
 11 336.7  
 12 356.1  
 13 375.4  
 14 394.8  
 15 414.1  
 16 452.9

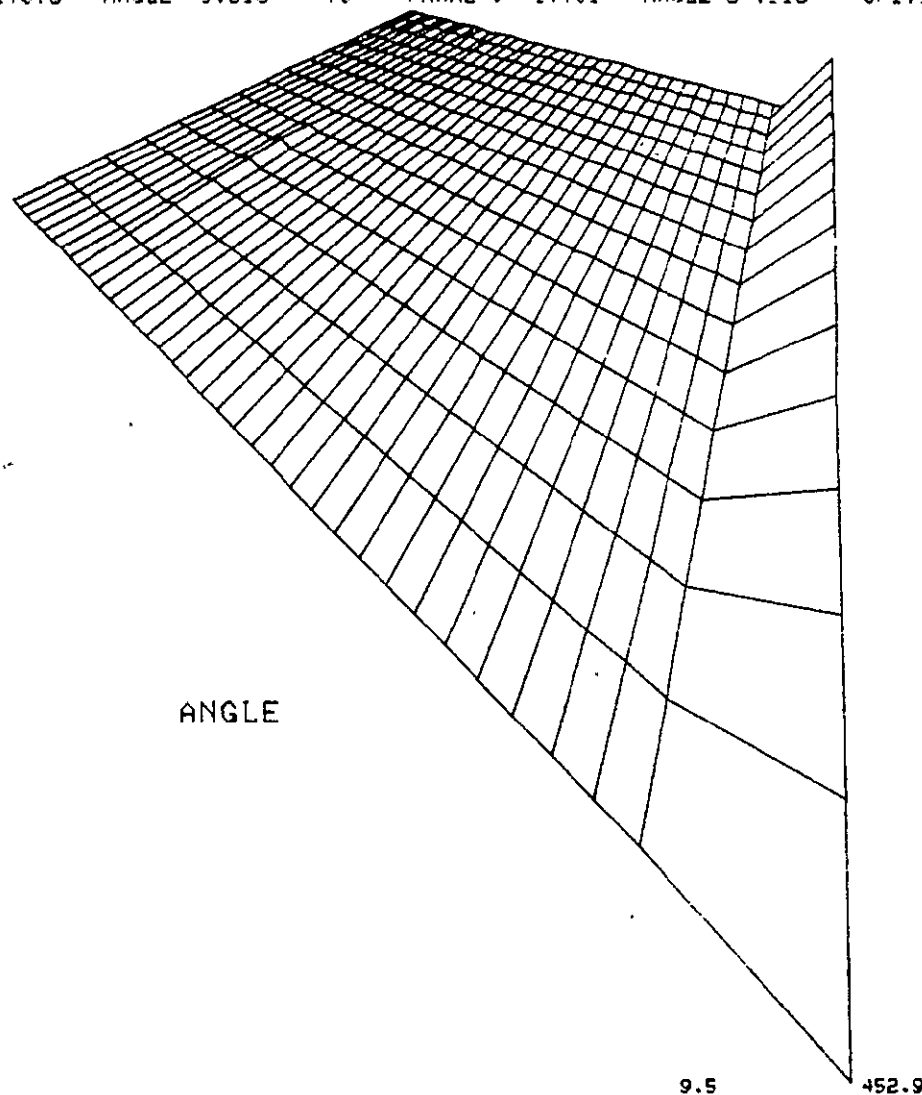
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Umax, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 3-29226  
 \* SCAN # 25 FRAME # 17076 ANGLE 9.316 TO FRAME # 17701 ANGLE 64.216 OPTICAL HMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.6  
 5 13.0  
 6 14.7  
 7 16.4  
 8 18.2  
 9 19.9  
 10 21.6  
 11 23.4  
 12 25.1  
 13 26.9  
 14 28.6  
 15 30.4  
 16 32.1  
 17 33.9  
 18 35.6  
 19 37.4  
 20 39.2  
 21 40.8  
 22 42.6  
 23 44.3  
 24 46.0  
 25 47.6  
 26 49.3  
 27 51.0  
 28 52.8  
 29 54.5  
 30 56.2  
 31 58.0  
 32 59.7  
 33 61.6  
 34 63.4  
 35 64.6  
 36 64.6

64.6



143.2

P  
 1 143.2  
 2 162.6  
 3 181.9  
 4 201.3  
 5 220.6  
 6 240.0  
 7 259.3  
 8 278.7  
 9 298.0  
 10 317.4  
 11 336.7  
 12 356.1  
 13 375.4  
 14 394.8  
 15 414.1  
 16 432.9

U

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U \* Imax, R, A DISPLAY

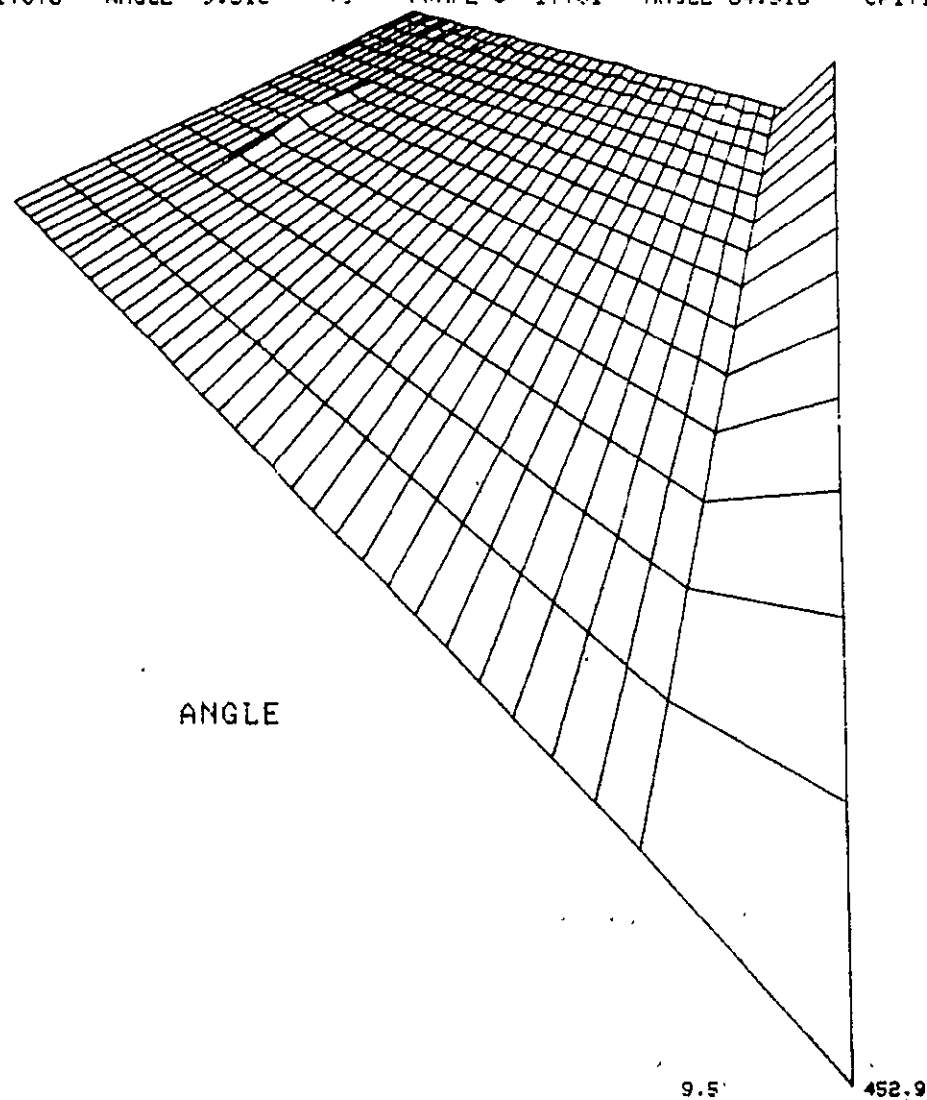
9.5

452.9

NASA PROJECT DUST DEVIL DAY 238 PUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 25 FRAME # 17076 ANGLE 9.316 TO FRAME # 17701 ANGLE 64.916 OPTICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 9.5  
 2 10.0  
 3 10.6  
 4 11.6  
 5 13.0  
 6 14.7  
 7 16.4  
 8 18.2  
 9 19.9  
 10 21.6  
 11 23.4  
 12 25.1  
 13 26.9  
 14 28.6  
 15 30.4  
 16 32.1  
 17 33.9  
 18 35.6  
 19 37.4  
 20 39.2  
 21 40.8  
 22 42.6  
 23 44.3  
 24 46.0  
 25 47.6  
 26 49.3  
 27 51.0  
 28 52.8  
 29 54.5  
 30 56.2  
 31 58.0  
 32 59.7  
 33 61.6  
 34 63.4  
 35 64.6  
 36 64.6

64.6



R  
 1 143.2  
 2 162.6  
 3 181.9  
 4 201.3  
 5 220.6  
 6 240.0  
 7 259.3  
 8 272.7  
 9 298.0  
 10 317.4  
 11 336.7  
 12 356.1  
 13 375.4  
 14 394.2  
 15 414.1  
 16 452.9

R

9.5 452.9

U \* I<sub>max</sub>, R, A DISPLAY

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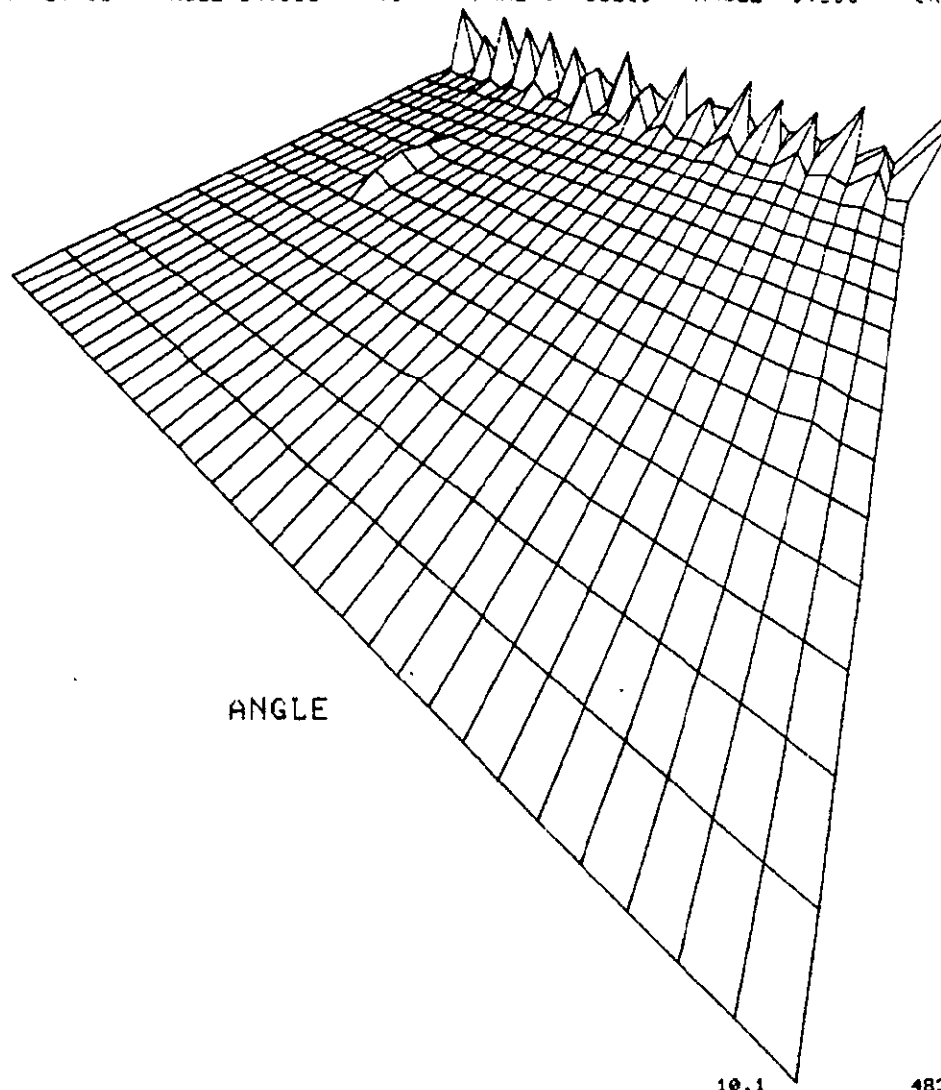
NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 26 FRAME # 17701 ANGLE 64.916 TO FRAME # 18315 ANGLE 9.350 CRITICAL AMP AT CELL 62  
 OPTION # 11-1

MAXIMUM I = 25.0

AVERAGE I = 1.0

ANGLE  
 1 64.8  
 2 64.1  
 3 63.1  
 4 61.9  
 5 60.3  
 6 58.6  
 7 56.7  
 8 55.0  
 9 53.2  
 10 51.5  
 11 49.8  
 12 48.1  
 13 46.5  
 14 44.8  
 15 43.1  
 16 41.3  
 17 39.5  
 18 37.9  
 19 36.0  
 20 34.3  
 21 32.6  
 22 30.8  
 23 29.1  
 24 27.4  
 25 25.6  
 26 23.7  
 27 22.0  
 28 20.2  
 29 18.5  
 30 16.8  
 31 14.9  
 32 13.1  
 33 11.4  
 34 10.1

64.8



148.3

R  
 1 148.3  
 2 168.0  
 3 187.7  
 4 207.5  
 5 227.2  
 6 246.9  
 7 266.7  
 8 286.4  
 9 306.1  
 10 325.9  
 11 345.6  
 12 365.3  
 13 385.1  
 14 404.8  
 15 424.5  
 16 444.3  
 17 463.7

R

ANGLE

10.1

463.7

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 26 FRAME # 17701 ANGLE 64.916 TO FRAME # 18315 ANGLE 9.350 OPTICAL AMP WT CELL 62  
 OPTION # 11-2

MAXIMUM I = 46.0  
 AVERAGE I = 2.7

ANGLE  
 1 64.8  
 2 64.1  
 3 63.1  
 4 61.9  
 5 60.3  
 6 58.6  
 7 56.7  
 8 55.0  
 9 53.2  
 10 51.5  
 11 49.8  
 12 48.1  
 13 46.5  
 14 44.8  
 15 43.1  
 16 41.3  
 17 39.5  
 18 37.9  
 19 36.0  
 20 34.3  
 21 32.6  
 22 30.8  
 23 29.1  
 24 27.4  
 25 25.6  
 26 23.7  
 27 22.0  
 28 20.2  
 29 18.5  
 30 16.8  
 31 14.9  
 32 13.1  
 33 11.4  
 34 10.1

64.8

ANGLE

10.1

148.3

R  
 1 148.3  
 2 168.0  
 3 187.7  
 4 207.5  
 5 227.2  
 6 246.9  
 7 266.7  
 8 286.4  
 9 306.1  
 10 325.9  
 11 345.6  
 12 365.3  
 13 385.1  
 14 404.8  
 15 424.5  
 16 444.3  
 17 463.7

R

483.7

IMAX, R, A DISPLAY

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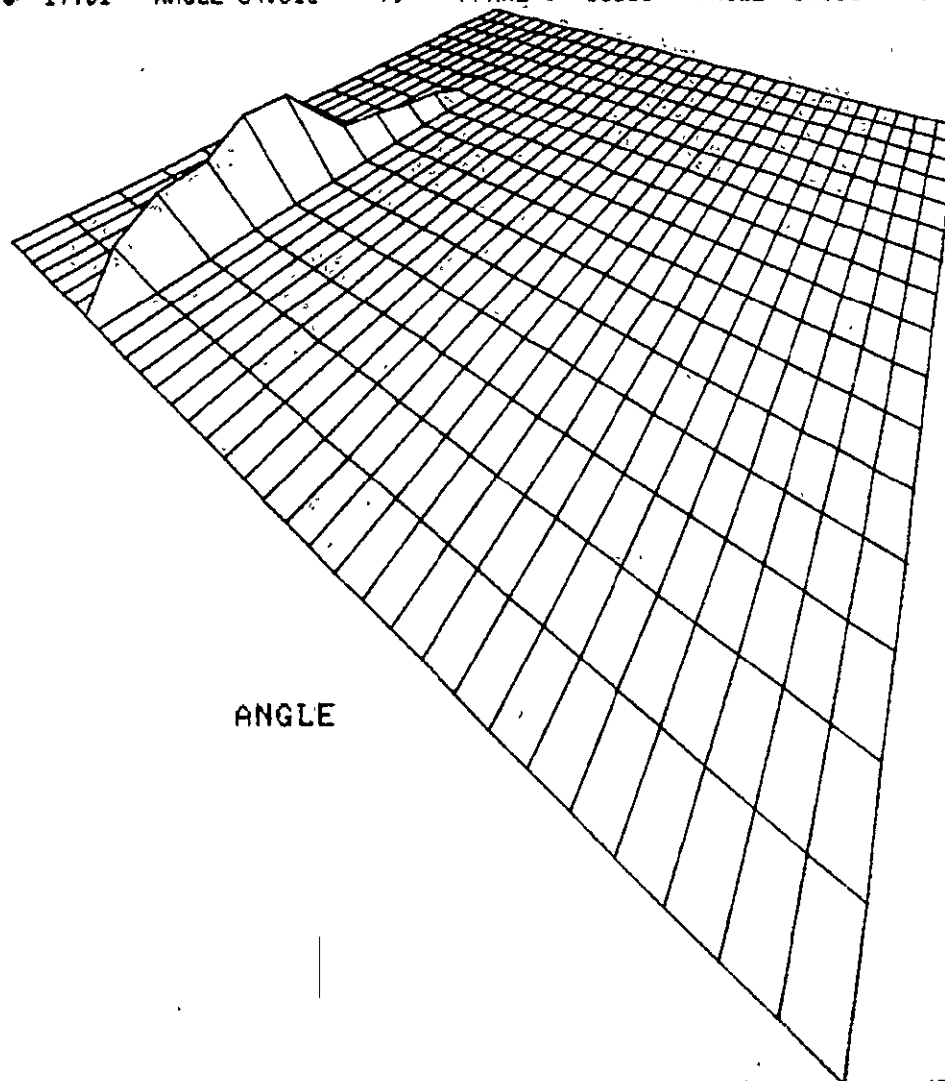


NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 26 FRAME # 17701 ANGLE 64.916 TO FRAME # 18315 ANGLE 9.350 CRITICAL AMP AT CELL 62  
 OPTION # 12-1

MAXIMUM I = 20.0  
 AVERAGE I = 0.2

ANGLE  
 1 64.8  
 2 64.1  
 3 63.1  
 4 61.9  
 5 60.3  
 6 58.6  
 7 56.7  
 8 55.0  
 9 53.2  
 10 51.5  
 11 49.8  
 12 48.1  
 13 46.5  
 14 44.8  
 15 43.1  
 16 41.3  
 17 39.5  
 18 37.9  
 19 36.0  
 20 34.3  
 21 32.6  
 22 30.8  
 23 29.1  
 24 27.4  
 25 25.6  
 26 23.7  
 27 22.0  
 28 20.2  
 29 18.5  
 30 16.8  
 31 14.9  
 32 13.1  
 33 11.4  
 34 9.1

64.8



148.3

R  
 1 148.3  
 2 168.0  
 3 187.7  
 4 207.5  
 5 227.2  
 6 246.9  
 7 266.7  
 8 286.4  
 9 306.1  
 10 325.9  
 11 345.6  
 12 365.3  
 13 385.1  
 14 404.8  
 15 424.5  
 16 444.3  
 17 483.7

R

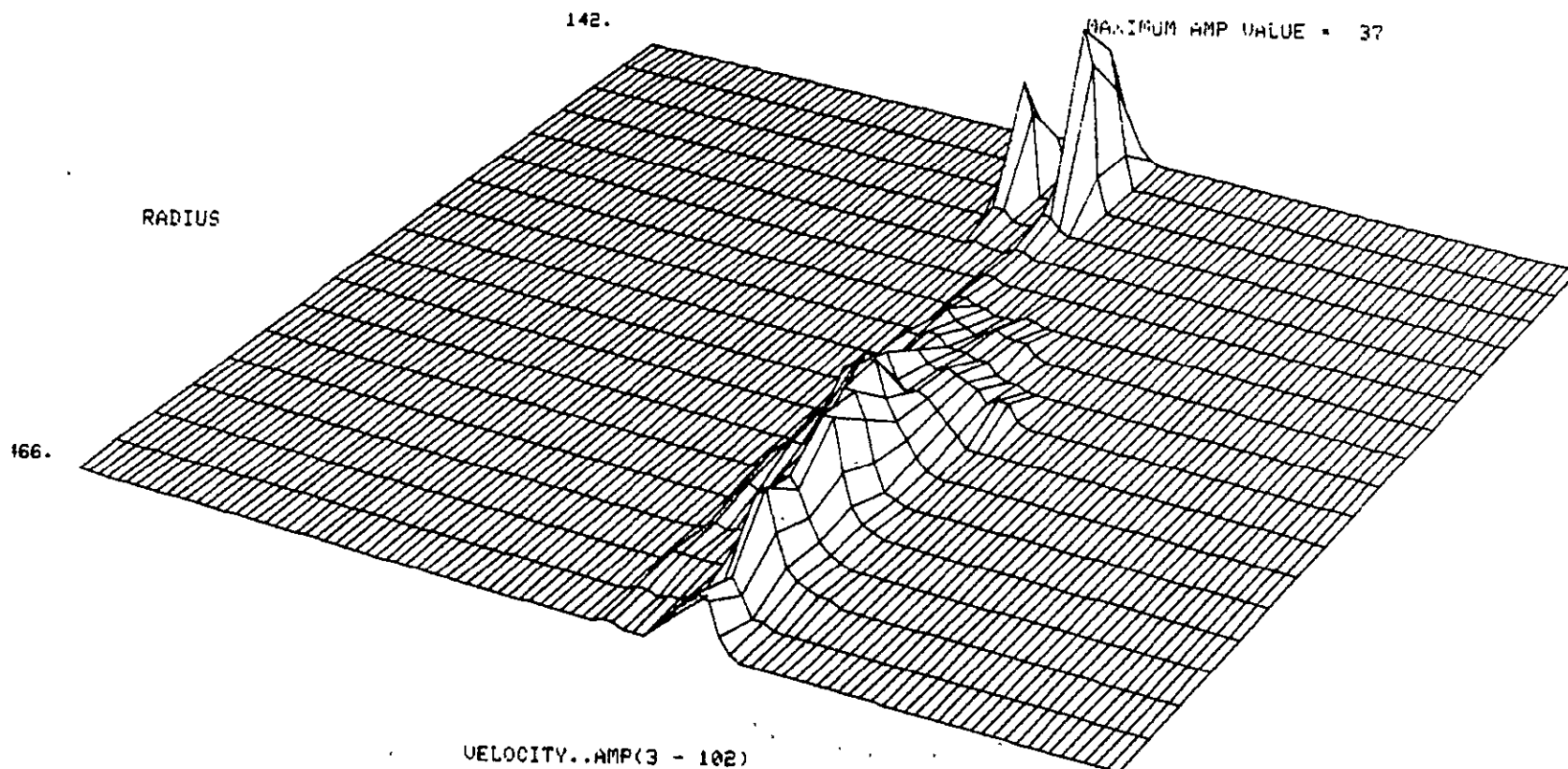
10.1

483.7

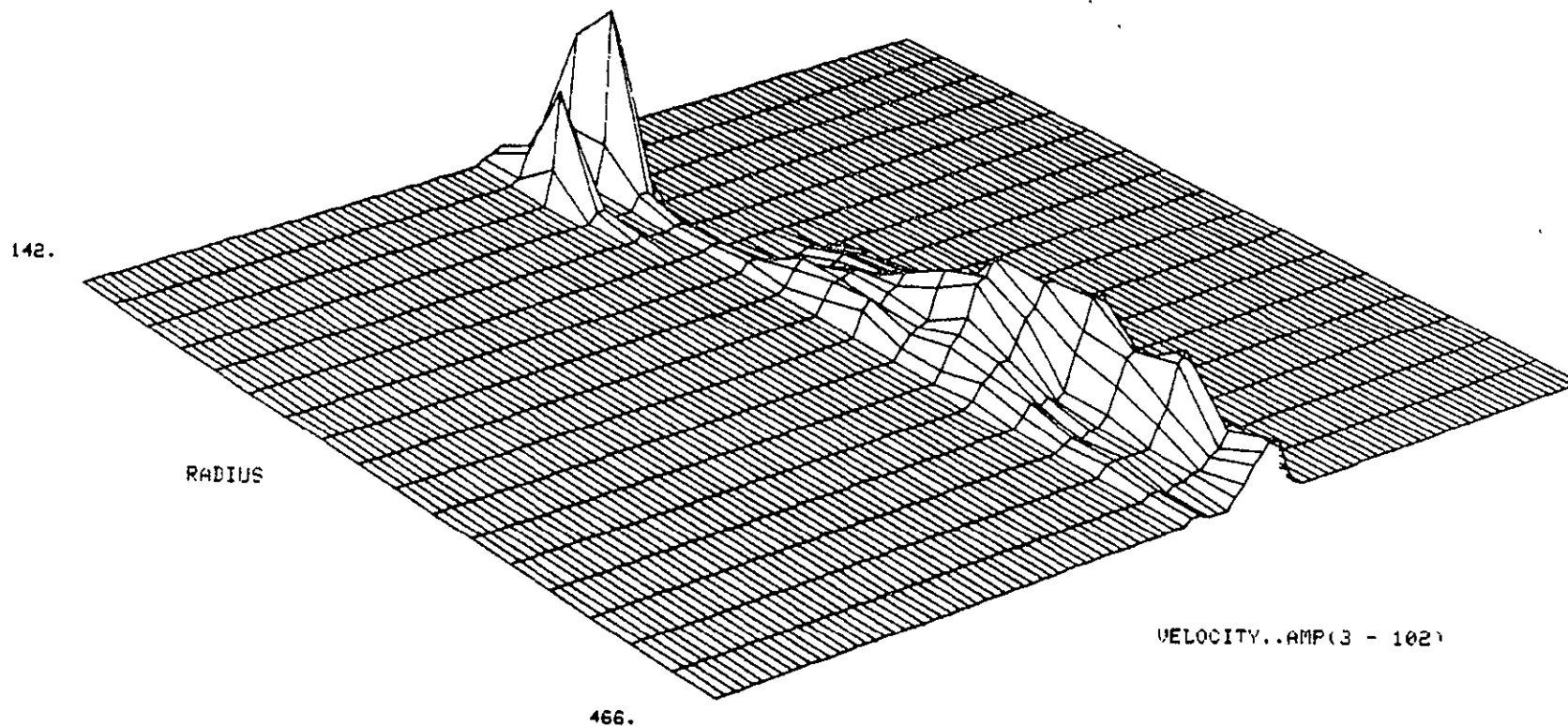
I, R, A DISPLAY AT VELOCITY CELL 62

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 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 SCAN # 26 FRAME # 17701 ANGLE 64.916 TO FRAME # 18315 ANGLE 9.350 CRITICAL AMP AT CELL 62  
 FRAME # 17925 TO 17843  
 ANGLE = 54.97  
 MAXIMUM AMP VALUE = 37



NASA PROJECT DUST DEVIL DAY 230 RUN # 4 TAPE 2 OF 2-29226  
 SCAN # 26 FRAME # 17701 ANGLE 64.916 TO FRAME # 18315 ANGLE 9.350 CRITICAL AMP AT CELL 62  
 FRAME # 17825 TO 17843  
 ANGLE = 54.97  
 MINIMUM AMP VALUE = 37



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 OF POOR QUALITY  
 576

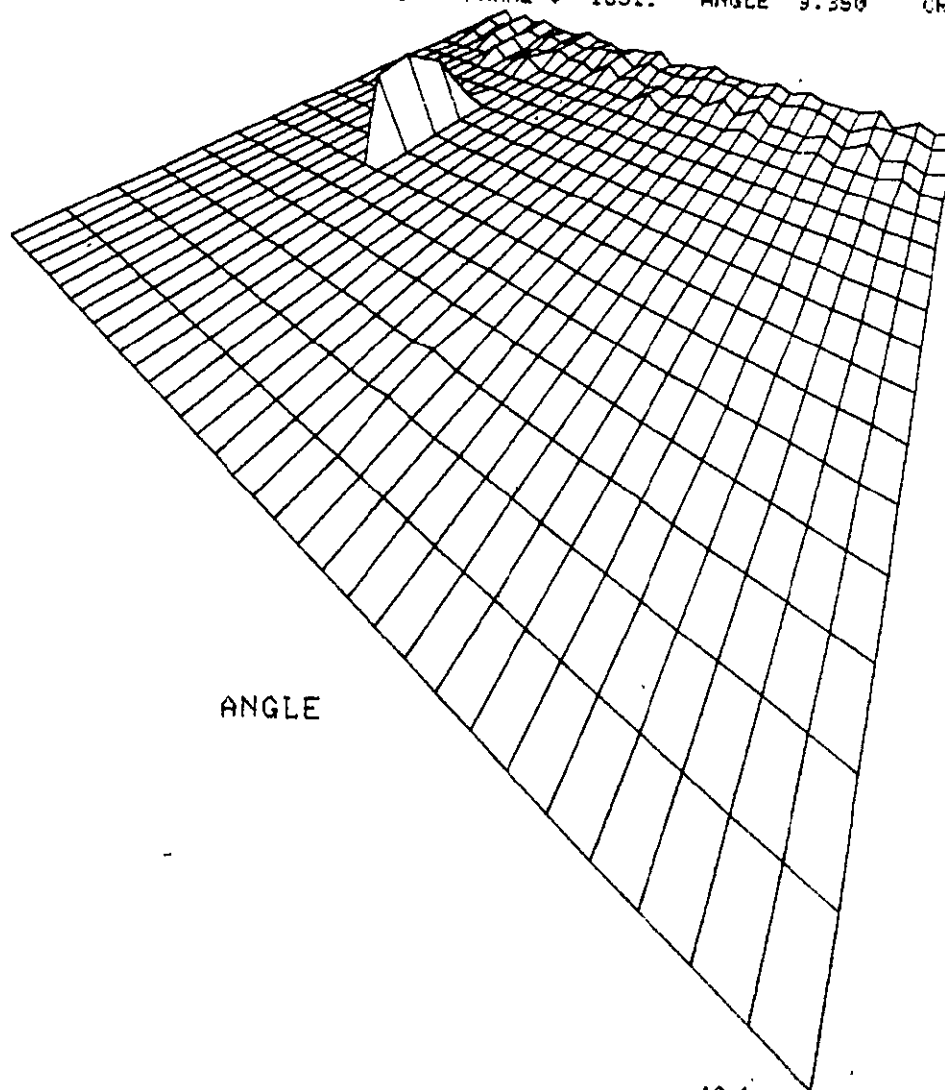
NASA PROJECT DUST DEVIL DAY 233. RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 26 FRAME # 17701 ANGLE 64.916 TO FRAME # 18315 ANGLE 3.350 CRITICAL AMP AT CELL 62  
 OPTION # 21-1

MAXIMUM U = 13.0  
 AVERAGE U = 1.3

ANGLE  
 1 64.8  
 2 64.1  
 3 63.1  
 4 61.9  
 5 60.3  
 6 58.6  
 7 56.7  
 8 55.0  
 9 53.2  
 10 51.5  
 11 49.8  
 12 48.1  
 13 46.5  
 14 44.8  
 15 43.1  
 16 41.3  
 17 39.5  
 18 37.9  
 19 36.0  
 20 34.3  
 21 32.6  
 22 30.8  
 23 29.1  
 24 27.4  
 25 25.6  
 26 23.7  
 27 22.0  
 28 20.2  
 29 18.5  
 30 16.8  
 31 14.9  
 32 13.1  
 33 11.4  
 34 10.1

64.8

ANGLE



148.3

R  
 1 148.3  
 2 168.0  
 3 187.7  
 4 207.5  
 5 227.2  
 6 246.9  
 7 266.7  
 8 286.4  
 9 306.1  
 10 325.9  
 11 345.6  
 12 365.3  
 13 385.1  
 14 404.8  
 15 424.5  
 16 444.3  
 17 463.7

R

10.1

483.7

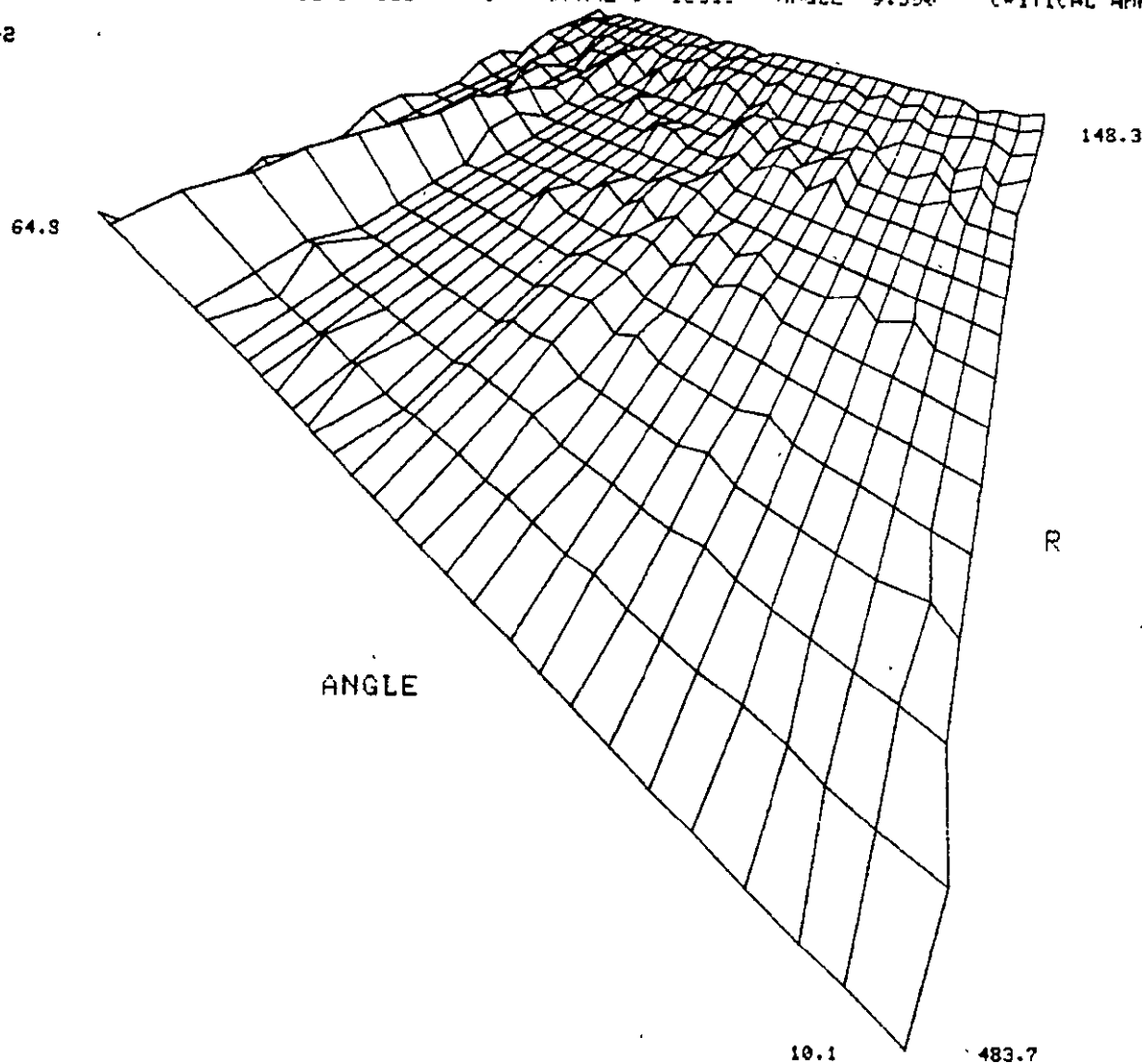
U, R, A DISPLAY (VELOCITY AT I<sub>MAX</sub>)

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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 26 FRAME # 17701 ANGLE 64.916 TO FRAME # 18315 ANGLE 9.350 CRITICAL AMP AT CELL 62  
 OPTION # 21-2

MAXIMUM U = 12.0  
 AVERAGE U = 2.2

ANGLE  
 1 64.8  
 2 64.1  
 3 63.1  
 4 61.9  
 5 60.3  
 6 58.6  
 7 56.7  
 8 55.0  
 9 53.2  
 10 51.5  
 11 49.8  
 12 48.1  
 13 46.5  
 14 44.8  
 15 43.1  
 16 41.3  
 17 39.5  
 18 37.9  
 19 36.0  
 20 34.3  
 21 32.6  
 22 30.8  
 23 29.1  
 24 27.4  
 25 25.6  
 26 23.7  
 27 22.0  
 28 20.2  
 29 18.5  
 30 16.8  
 31 14.9  
 32 13.1  
 33 11.4  
 34 10.1



R  
 1 148.3  
 2 168.0  
 3 187.7  
 4 207.5  
 5 227.2  
 6 246.9  
 7 266.7  
 8 286.4  
 9 306.1  
 10 325.9  
 11 345.6  
 12 365.3  
 13 385.1  
 14 404.2  
 15 424.5  
 16 444.3  
 17 463.7

U, R, A DISPLAY (VELOCITY AT IMAX)

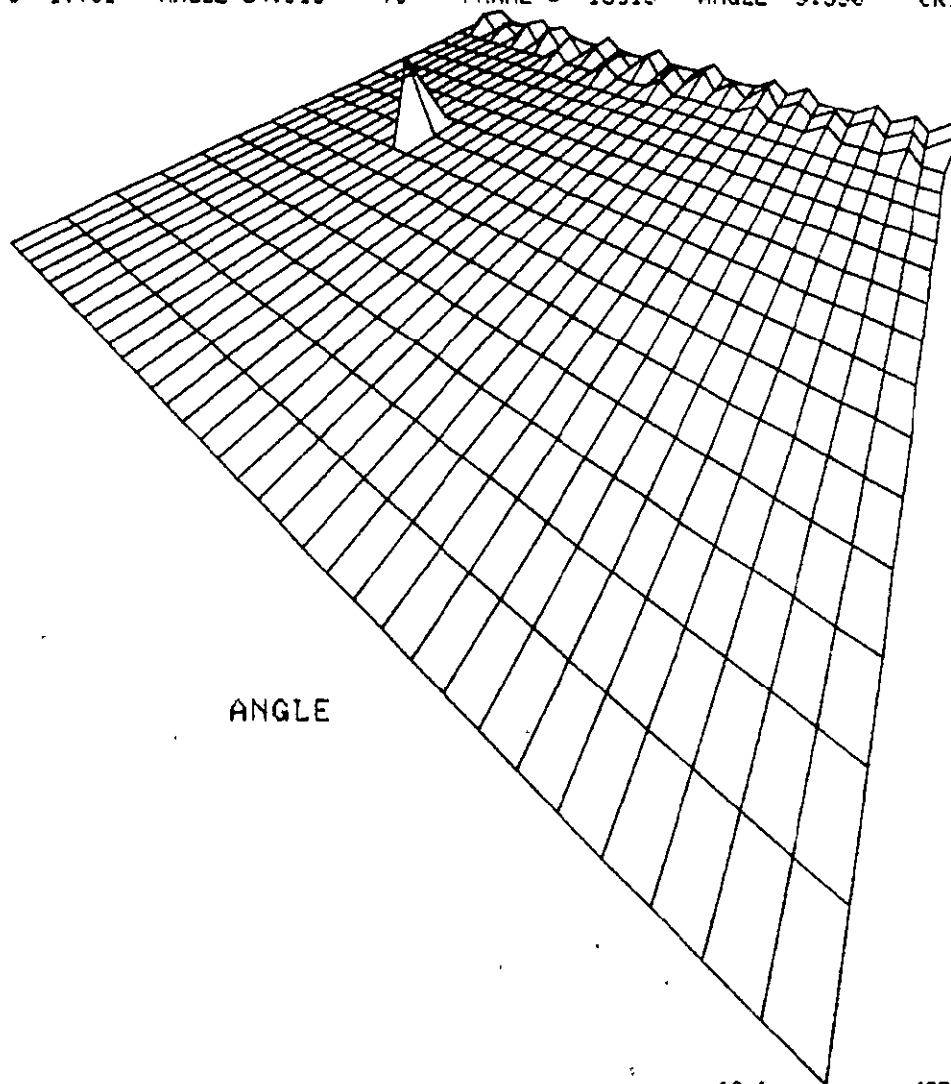
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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 26 FRAME # 17701 ANGLE 64.916 TO FRAME # 18315 ANGLE 9.350 CRITICAL AMP AT CELL 62  
 OPTION # 22-1

MAXIMUM U = 13.0  
 AVERAGE U = 1.2

ANGLE  
 1 64.8  
 2 64.1  
 3 63.1  
 4 61.9  
 5 60.3  
 6 58.6  
 7 56.7  
 8 55.0  
 9 53.2  
 10 51.5  
 11 49.8  
 12 48.1  
 13 46.5  
 14 44.8  
 15 43.1  
 16 41.3  
 17 39.5  
 18 37.9  
 19 36.0  
 20 34.3  
 21 32.6  
 22 30.8  
 23 29.1  
 24 27.4  
 25 25.6  
 26 23.7  
 27 22.0  
 28 20.2  
 29 18.5  
 30 16.8  
 31 14.9  
 32 13.1  
 33 11.4  
 34 10.1

64.8



ANGLE

10.1

483.7

148.3

R.  
 1 148.3  
 2 168.0  
 3 187.7  
 4 207.5  
 5 227.2  
 6 246.9  
 7 266.7  
 8 286.4  
 9 306.1  
 10 325.9  
 11 345.6  
 12 365.3  
 13 385.1  
 14 404.8  
 15 424.5  
 16 444.3  
 17 463.7

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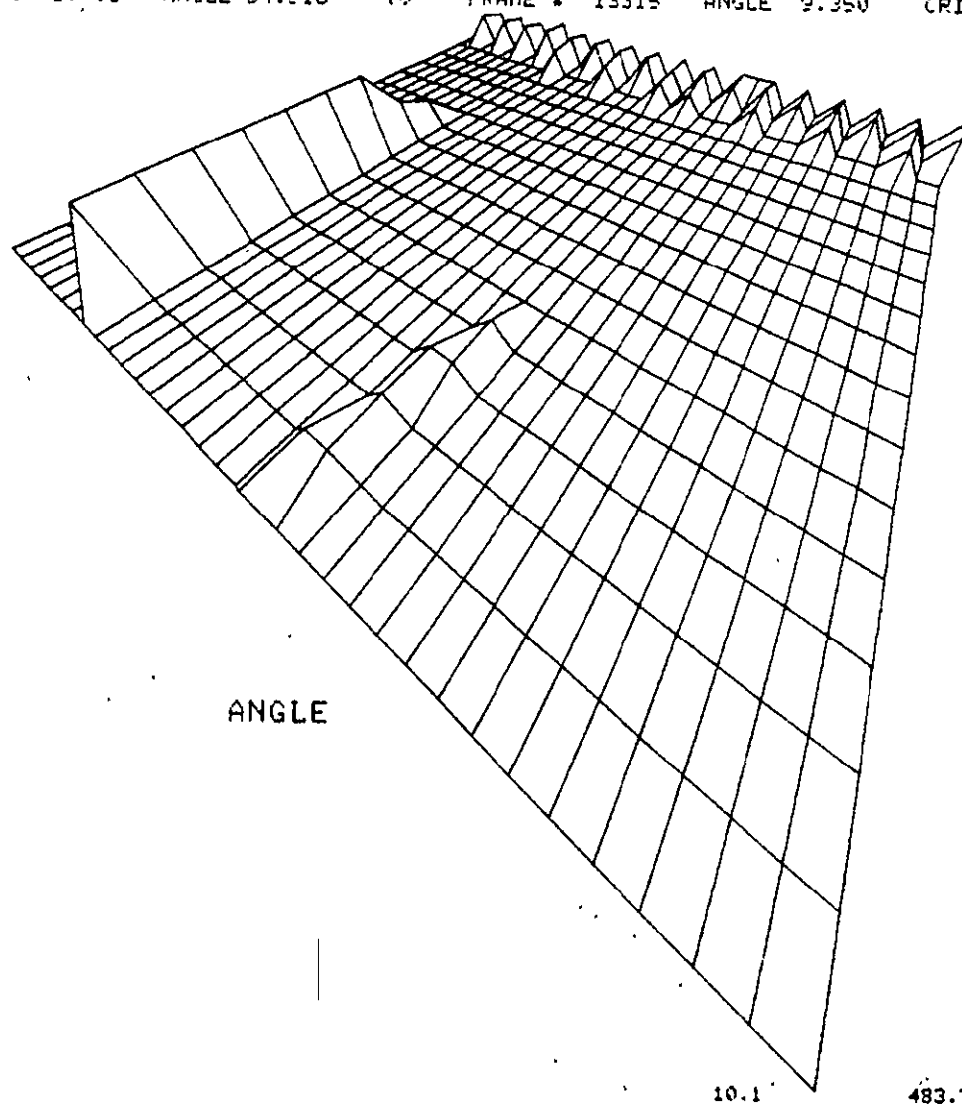
U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 26 FRAME # 17701 ANGLE 64.916 TO FRAME # 15315 ANGLE 9.350 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 13.0  
 AVERAGE U = 1.5

ANGLE  
 1 64.8  
 2 64.1  
 3 63.1  
 4 61.9  
 5 60.3  
 6 58.6  
 7 56.7  
 8 55.0  
 9 53.2  
 10 51.5  
 11 49.8  
 12 48.1  
 13 46.5  
 14 44.8  
 15 43.1  
 16 41.3  
 17 39.5  
 18 37.9  
 19 36.0  
 20 34.3  
 21 32.6  
 22 30.8  
 23 29.1  
 24 27.4  
 25 25.6  
 26 23.7  
 27 22.0  
 28 20.2  
 29 18.5  
 30 16.8  
 31 14.9  
 32 13.1  
 33 11.4  
 34 10.1

64.8



148.3

R  
 1 148.3  
 2 168.0  
 3 187.7  
 4 207.5  
 5 227.2  
 6 246.9  
 7 266.7  
 8 286.4  
 9 306.1  
 10 325.9  
 11 345.6  
 12 365.3  
 13 385.1  
 14 404.8  
 15 424.5  
 16 444.3  
 17 463.7

U

ANGLE

10.1

463.7

U MAX, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

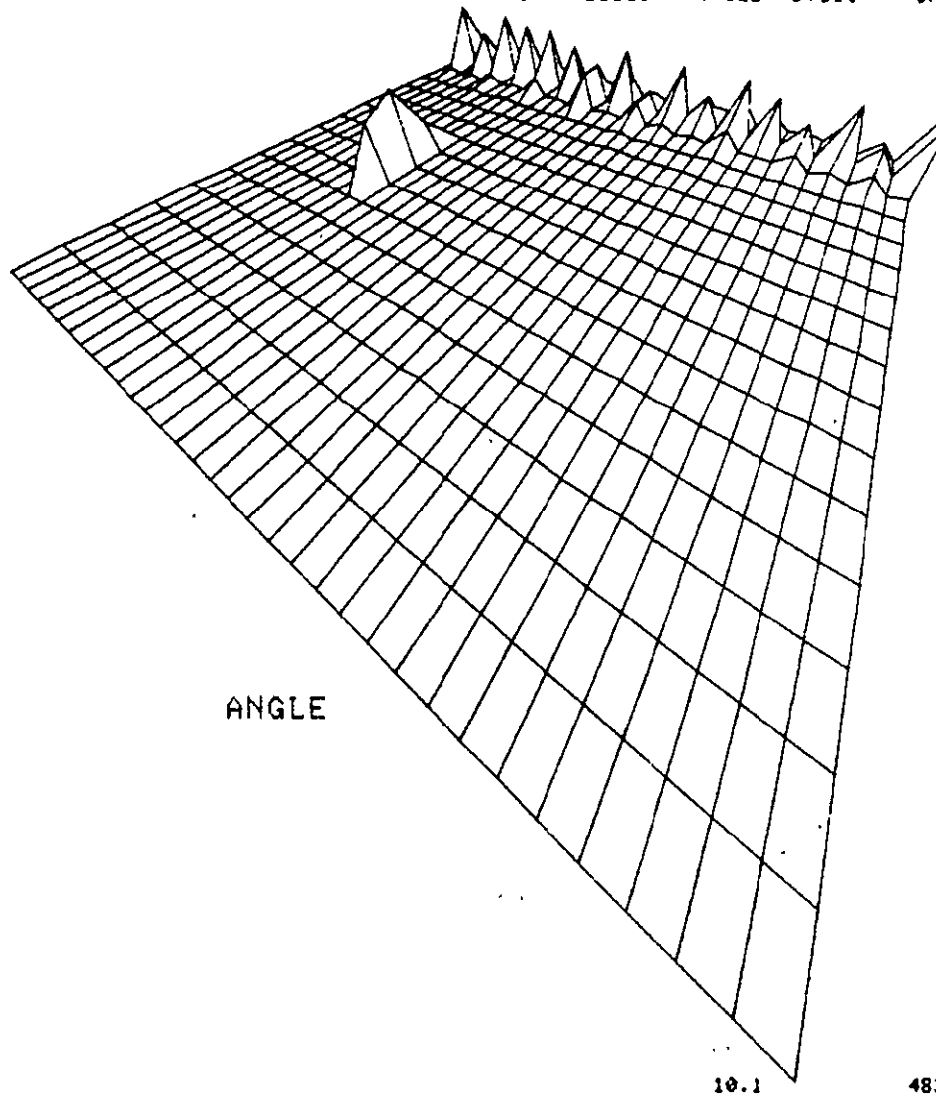
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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 26 FRAME # 17701 ANGLE 64.916 TO FRAME # 18315 ANGLE 9.350 CRITICAL AMP AT CELL 62

OPTION # 31-1

ANGLE  
 1 64.8  
 2 64.1  
 3 63.1  
 4 61.9  
 5 60.3  
 6 58.6  
 7 56.7  
 8 55.0  
 9 53.2  
 10 51.5  
 11 49.8  
 12 48.1  
 13 46.5  
 14 44.8  
 15 43.1  
 16 41.3  
 17 39.5  
 18 37.9  
 19 36.0  
 20 34.3  
 21 32.6  
 22 30.8  
 23 29.1  
 24 27.4  
 25 25.6  
 26 23.7  
 27 22.0  
 28 20.2  
 29 18.5  
 30 16.8  
 31 14.9  
 32 13.1  
 33 11.4  
 34 10.1

64.8



148.3

8  
 1 148.3  
 2 168.0  
 3 187.7  
 4 207.5  
 5 227.2  
 6 246.9  
 7 266.7  
 8 286.4  
 9 306.1  
 10 325.9  
 11 345.6  
 12 365.3  
 13 385.1  
 14 404.8  
 15 424.5  
 16 444.3  
 17 463.7

R

ANGLE

10.1

483.7

U \* I\_max, R, A DISPLAY

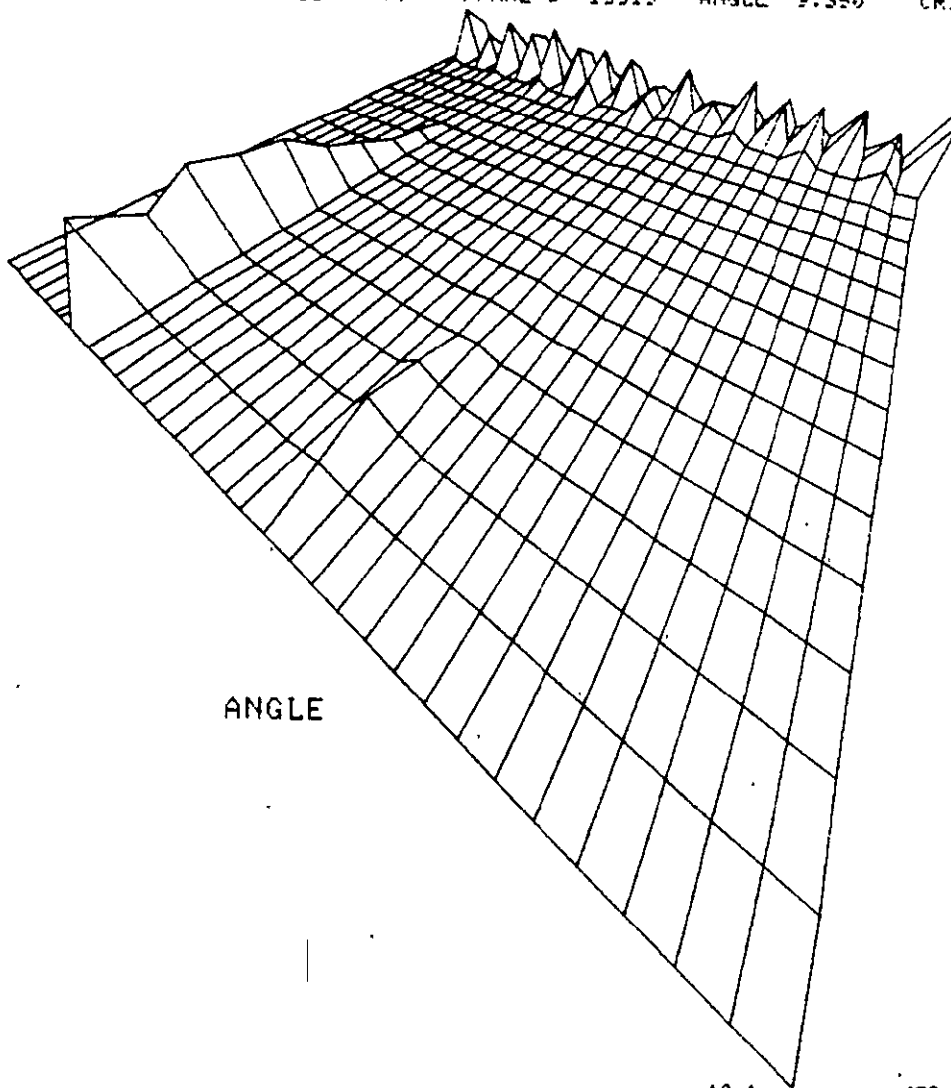
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NASA PROJECT DUST DEVIL DAY 238 FUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 26 FRAME # 17701 ANGLE 64.916 TO FRAME # 19315 ANGLE 9.350 CRITICAL HMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 64.8  
 2 64.1  
 3 63.1  
 4 61.9  
 5 60.3  
 6 58.6  
 7 56.7  
 8 55.0  
 9 53.2  
 10 51.5  
 11 49.8  
 12 48.1  
 13 46.5  
 14 44.8  
 15 43.1  
 16 41.3  
 17 39.5  
 18 37.9  
 19 36.0  
 20 34.3  
 21 32.6  
 22 30.8  
 23 29.1  
 24 27.4  
 25 25.6  
 26 23.7  
 27 22.0  
 28 20.2  
 29 18.5  
 30 16.8  
 31 14.9  
 32 13.1  
 33 11.4  
 34 10.1

64.8



148.3

R  
 1 148.3  
 2 168.0  
 3 187.7  
 4 207.5  
 5 227.2  
 6 246.9  
 7 266.7  
 8 286.4  
 9 306.1  
 10 325.9  
 11 345.6  
 12 365.3  
 13 385.1  
 14 404.8  
 15 424.5  
 16 444.3  
 17 463.7

D

10.1

483.7

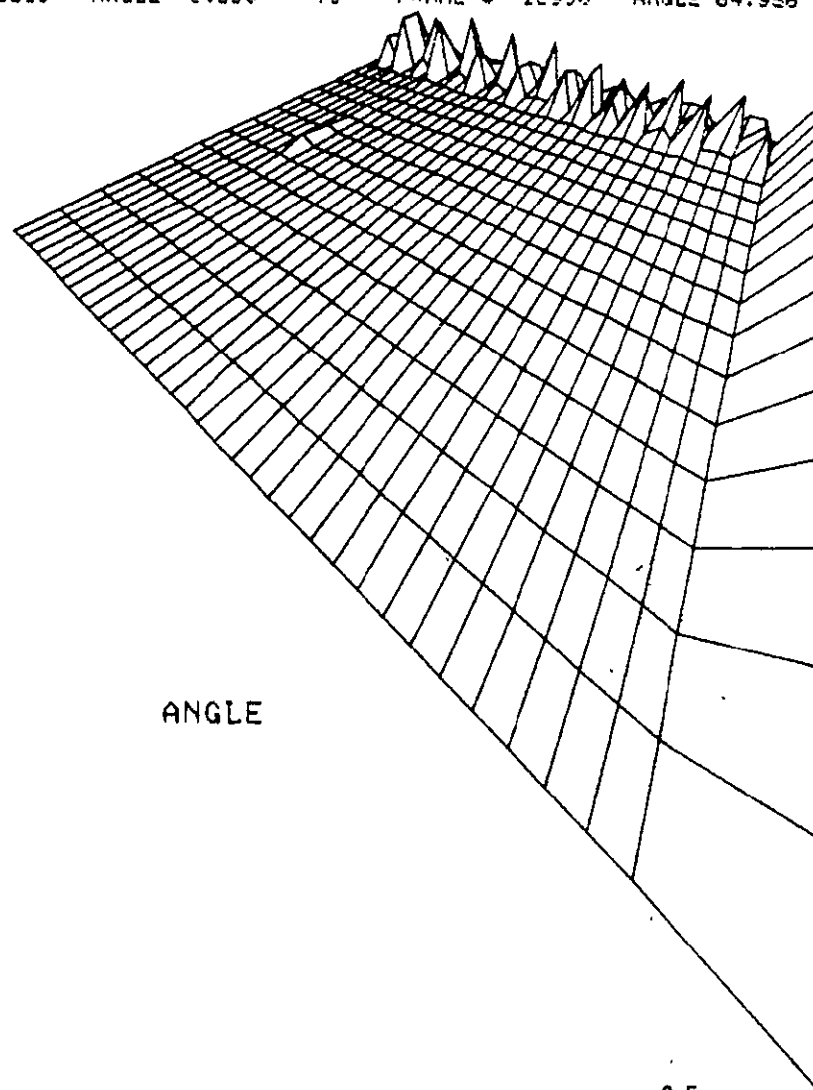
U \* I<sub>MAX</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 232. RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 27 FRAME # 18315 ANGLE 9.350 TO FRAME # 12950 ANGLE 64.356 CRITICAL WMP AT CELL 62  
 OPTION # 11-1

MAXIMUM I = 23.0  
 AVERAGE I = 1.6

ANGLE  
 1 9.5  
 2 9.9  
 3 10.4  
 4 11.4  
 5 12.8  
 6 14.2  
 7 16.0  
 8 17.7  
 9 19.5  
 10 21.2  
 11 22.9  
 12 24.7  
 13 26.4  
 14 28.2  
 15 30.0  
 16 31.7  
 17 33.4  
 18 35.2  
 19 36.9  
 20 38.7  
 21 40.4  
 22 42.2  
 23 43.9  
 24 45.6  
 25 47.2  
 26 48.9  
 27 50.6  
 28 52.3  
 29 54.1  
 30 55.8  
 31 57.6  
 32 59.3  
 33 61.2  
 34 63.0  
 35 64.4  
 36 64.7

64.7



ANGLE

9.5

143.2

R

462.8

R  
 1 143.2  
 2 162.0  
 3 180.8  
 4 199.6  
 5 218.4  
 6 237.2  
 7 256.0  
 8 274.8  
 9 293.6  
 10 312.4  
 11 331.2  
 12 350.0  
 13 368.8  
 14 387.6  
 15 406.4  
 16 425.2  
 17 444.0

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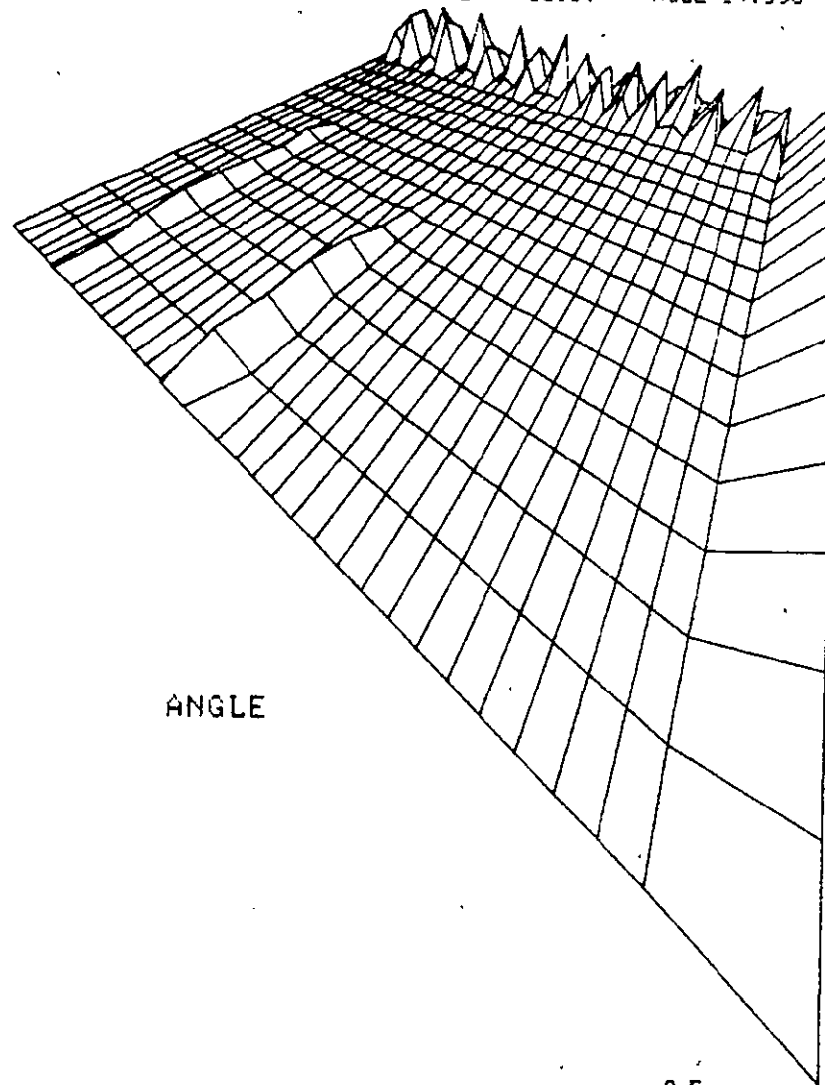
Imax, R, A DISPLAY

NASA PROJECT DUST DETL DAY 2381 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 27 FRAME # 18315 ANGLE -9.350 TO FRAME # 12950 ANGLE 64.956 CRITICAL AMP AT CELL 62  
 OPTION # 11-2

MAXIMUM I = 43.0  
 AVERAGE I = 3.6

ANGLE  
 1 9.5  
 2 9.9  
 3 10.4  
 4 11.4  
 5 12.8  
 6 14.2  
 7 16.0  
 8 17.7  
 9 19.5  
 10 21.2  
 11 22.9  
 12 24.7  
 13 26.4  
 14 28.2  
 15 30.0  
 16 31.7  
 17 33.4  
 18 35.2  
 19 36.9  
 20 38.7  
 21 40.4  
 22 42.2  
 23 43.9  
 24 45.6  
 25 47.2  
 26 48.9  
 27 50.6  
 28 52.3  
 29 54.1  
 30 55.8  
 31 57.6  
 32 59.3  
 33 61.2  
 34 63.0  
 35 64.4  
 36 64.7

64.7



143.2

R  
 1 143.2  
 2 162.0  
 3 180.8  
 4 199.6  
 5 218.4  
 6 237.2  
 7 256.0  
 8 274.8  
 9 293.6  
 10 312.4  
 11 331.2  
 12 350.0  
 13 368.8  
 14 387.6  
 15 406.4  
 16 425.2  
 17 462.8

R

9.5

462.8

IMAX, R, A DISPLAY

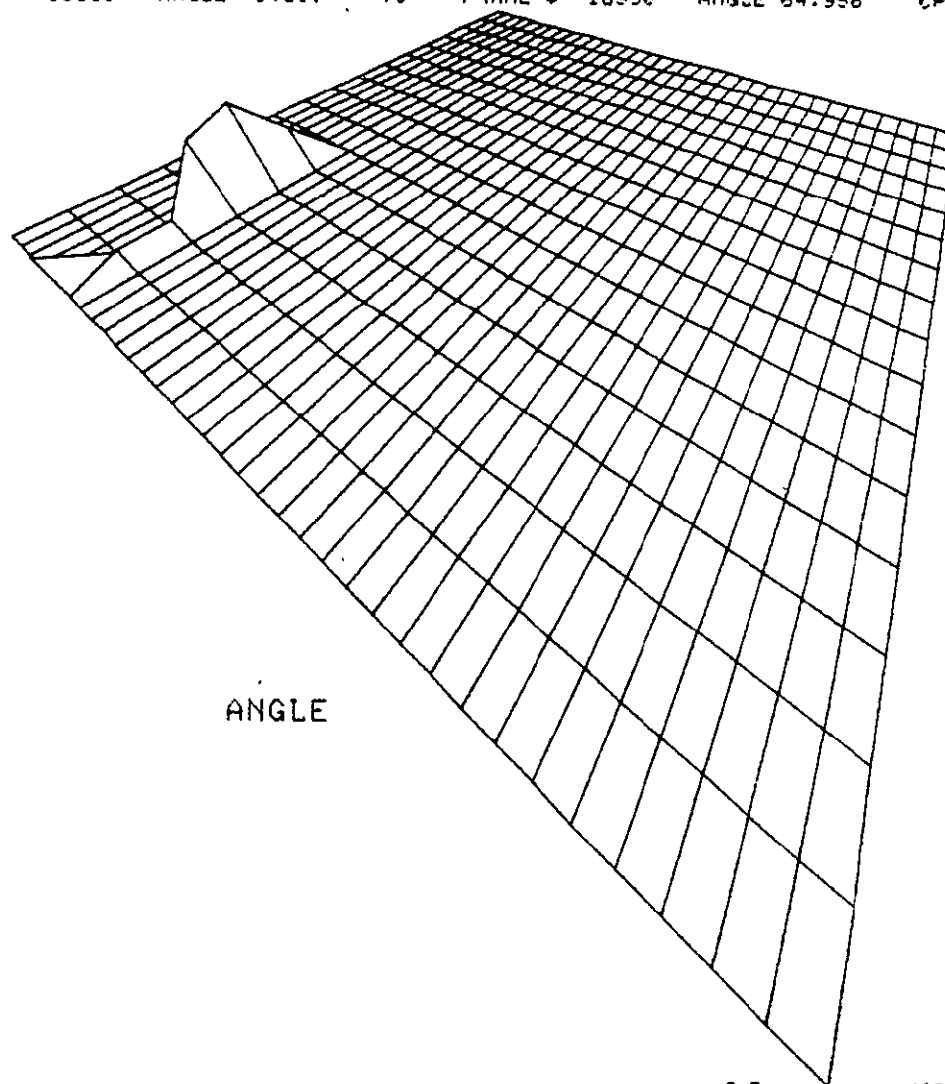
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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 27 FRAME # 18315 ANGLE 9.350 TO FRAME # 18350 ANGLE 64.956 OPTICAL AMP AT CELL 62  
 OPTION # 12-1

MAXIMUM I = 6.0  
 AVERAGE I = 0.0

ANGLE  
 1 9.5  
 2 9.9  
 3 10.4  
 4 11.4  
 5 12.8  
 6 14.2  
 7 16.0  
 8 17.7  
 9 19.5  
 10 21.2  
 11 22.9  
 12 24.7  
 13 26.4  
 14 28.2  
 15 30.0  
 16 31.7  
 17 33.4  
 18 35.2  
 19 36.9  
 20 38.7  
 21 40.4  
 22 42.2  
 23 43.9  
 24 45.6  
 25 47.2  
 26 48.9  
 27 50.6  
 28 52.3  
 29 54.1  
 30 55.8  
 31 57.6  
 32 59.3  
 33 61.2  
 34 63.0  
 35 64.4  
 36 64.7

64.7



143.2

R  
 1 143.2  
 2 162.0  
 3 180.8  
 4 199.6  
 5 218.4  
 6 237.2  
 7 256.0  
 8 274.8  
 9 293.6  
 10 312.4  
 11 331.2  
 12 350.0  
 13 368.8  
 14 387.6  
 15 406.4  
 16 425.2  
 17 444.0

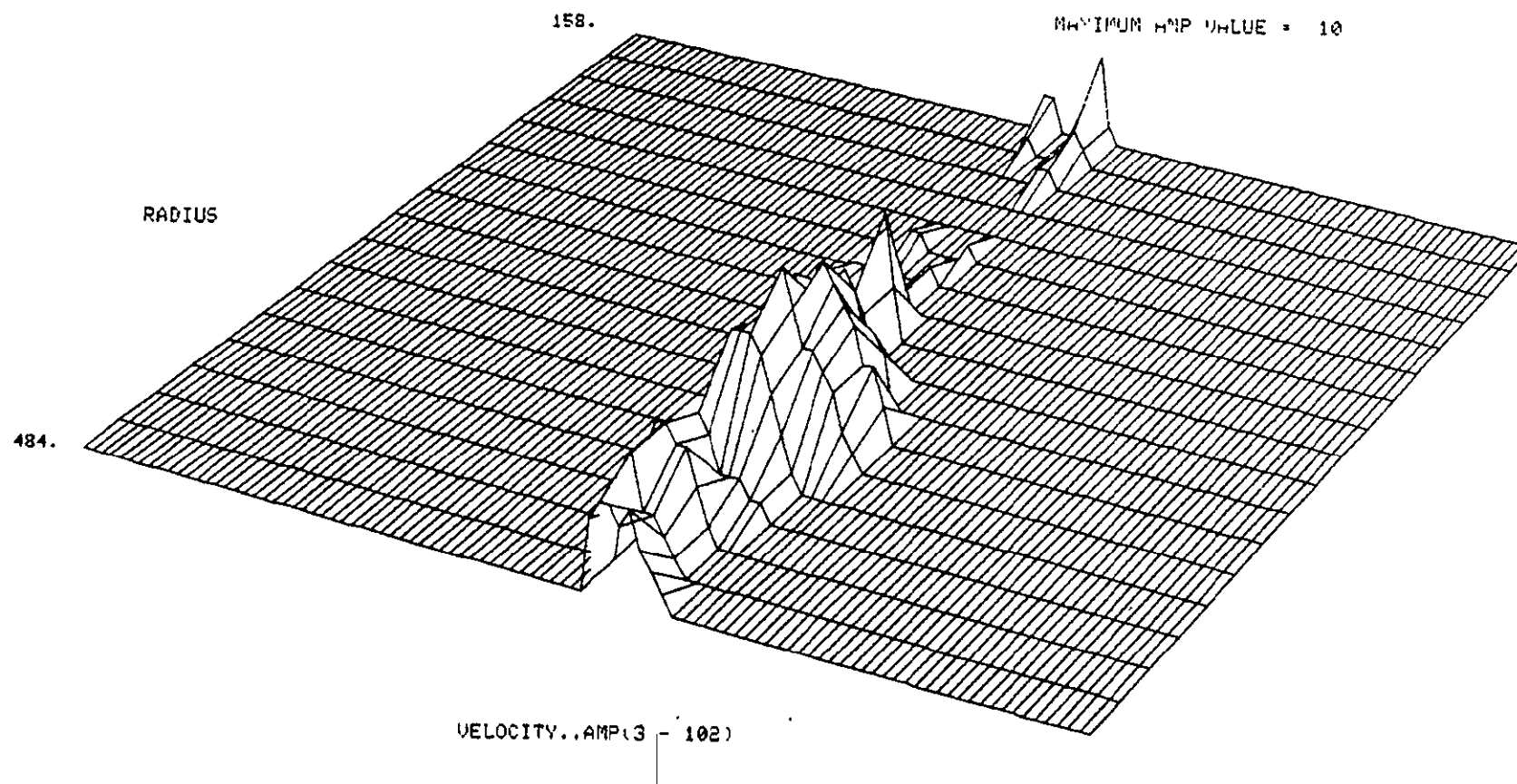
R

9.5

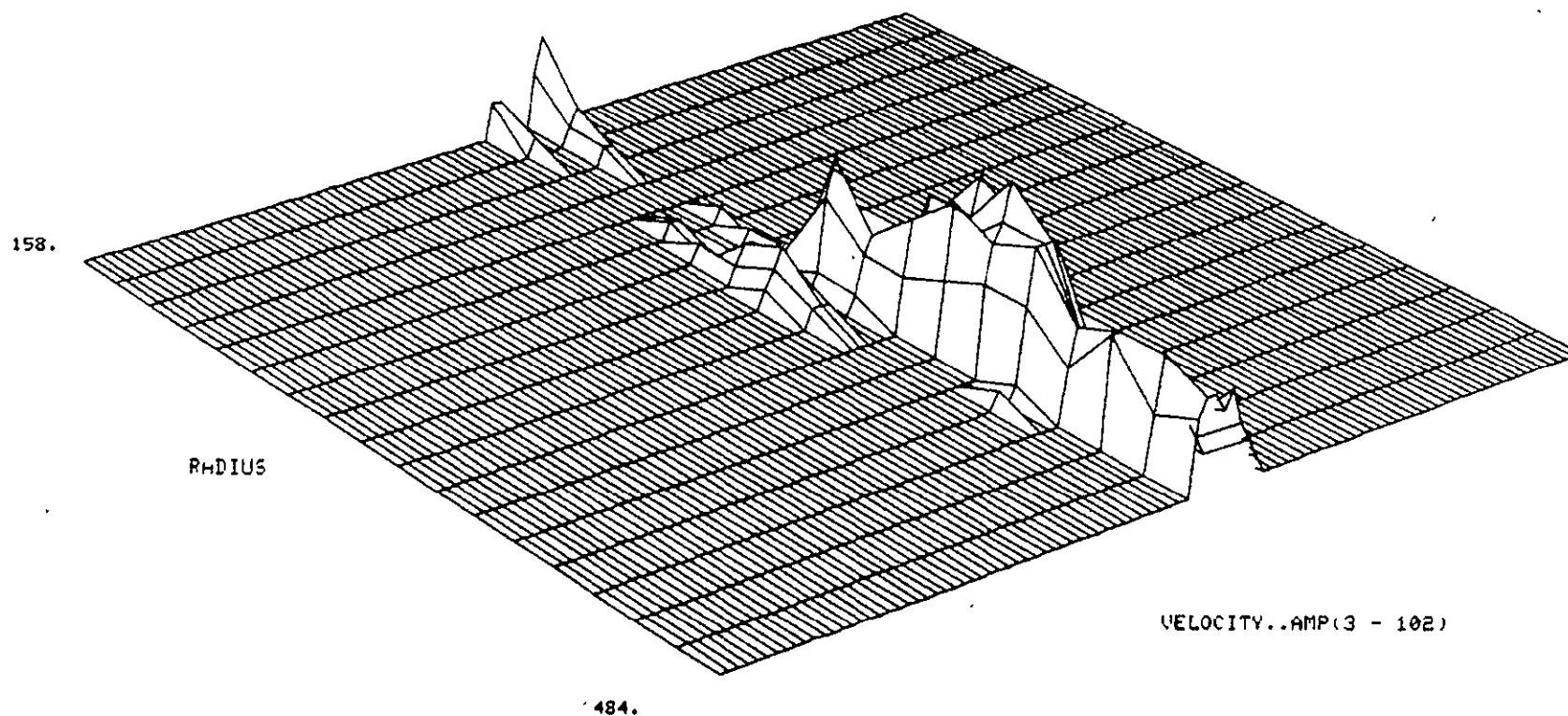
462.8

I, R, A DISPLAY AT VELOCITY CELL 62

\* NASA PROJECT DUST DEVIL DAY 1238 RUN # 4 TRFEL2 OF 2-23226  
 SCAN # 27 FRAME # 18315 ANGLE # 9.350 TO FRAME # 13950 ANGLE 64.956 CRITICAL AMP AT CELL 62  
 FRAME # 13627 TO 18345  
 ANGLE # 55.86  
 MAXIMUM AMP VALUE = 10



NASA PROJECT DUST DEVIL DAY 238. RUN # 4 TAPE 2 OF 2-29226  
 SCAN # 27 FRAME # 18315 ANGLE 9.350 TO: FRAME # 18950 ANGLE 64.956 CRITICAL AMP AT CELL 62  
 FRAME # 18327 TO 18845  
 ANGLE = 55.86  
 MAXIMUM AMP VALUE = 10



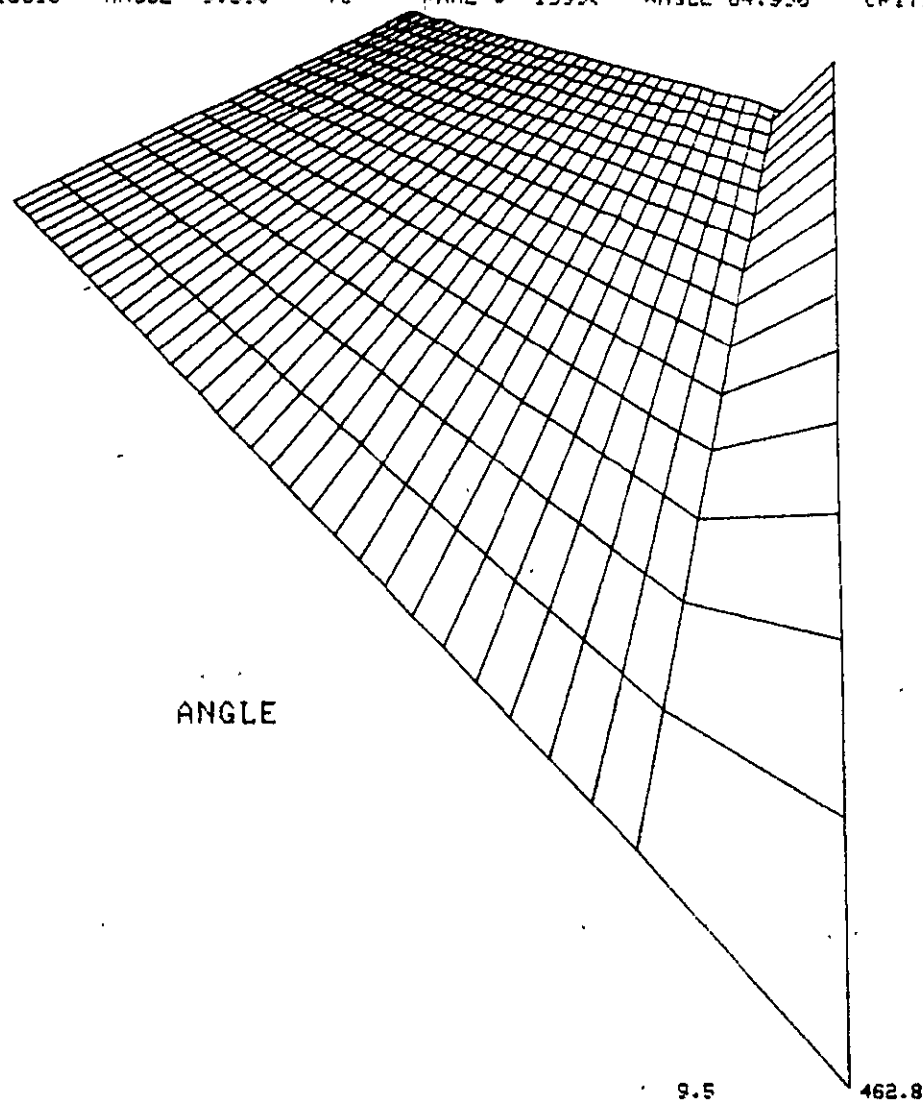
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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 27 FRAME # 13315 ANGLE 9.350 TO FRAME # 13950 ANGLE 64.956 CRITICAL AMP AT CELL 62  
 OPTION # 21-1

MAXIMUM U = 55.0  
 AVERAGE U = 2.6

ANGLE  
 1 9.5  
 2 9.9  
 3 10.4  
 4 11.4  
 5 12.8  
 6 14.2  
 7 16.0  
 8 17.7  
 9 19.5  
 10 21.2  
 11 22.9  
 12 24.7  
 13 26.4  
 14 28.2  
 15 30.0  
 16 31.7  
 17 33.4  
 18 35.2  
 19 36.9  
 20 38.7  
 21 40.4  
 22 42.2  
 23 43.9  
 24 45.6  
 25 47.2  
 26 48.9  
 27 50.6  
 28 52.3  
 29 54.1  
 30 55.8  
 31 57.6  
 32 59.3  
 33 61.2  
 34 63.0  
 35 64.4  
 36 64.7

64.7



143.2

R  
 1 143.2  
 2 162.0  
 3 180.8  
 4 199.6  
 5 218.4  
 6 237.2  
 7 256.0  
 8 274.8  
 9 293.6  
 10 312.4  
 11 331.2  
 12 350.0  
 13 368.8  
 14 387.6  
 15 406.4  
 16 425.2  
 17 444.0

U

ANGLE

9.5

462.8

U, R, A DISPLAY (VELOCITY AT IMAX)

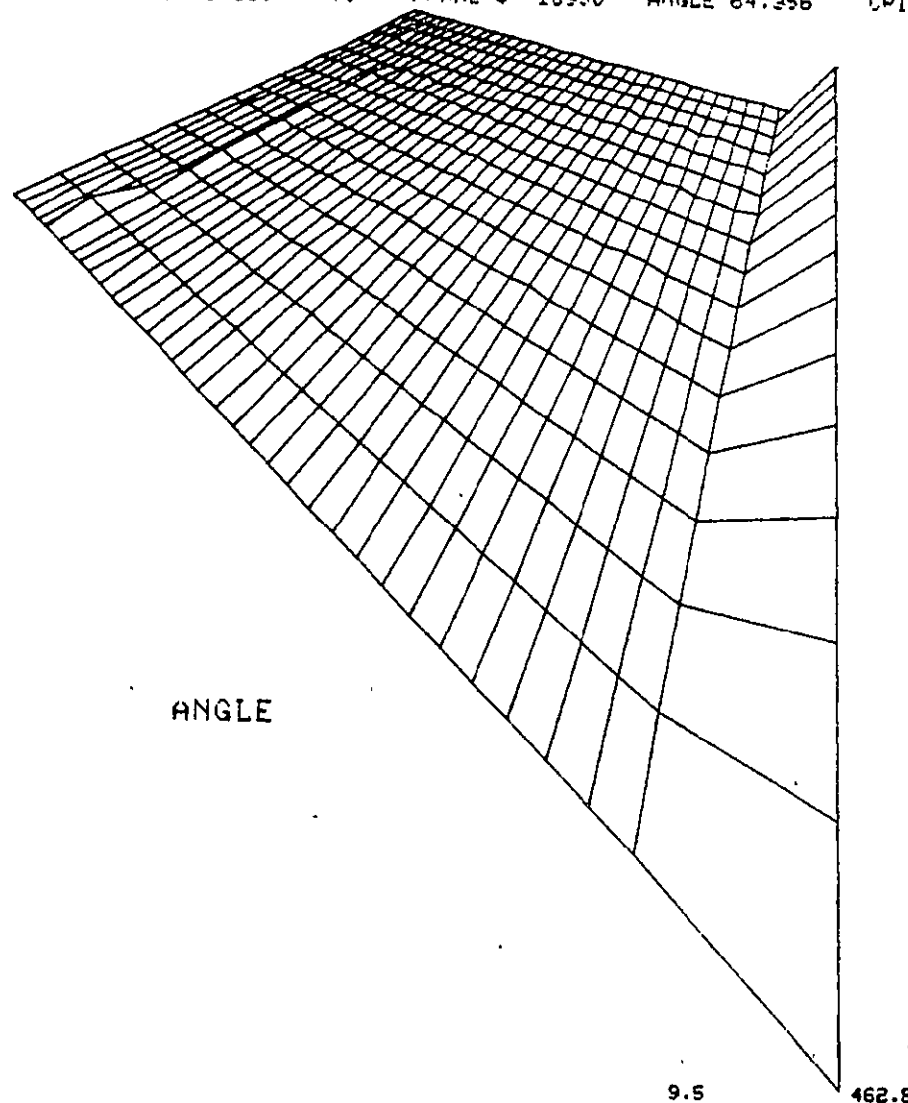
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NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 27 FRAME # 18315 ANGLE 9.350 TO FRAME # 18950 ANGLE 64.356 CRITICAL AMP AT CELL 62  
 OPTION # 21-2

MAXIMUM U = 57.0  
 AVERAGE U = 3.5

ANGLE
1 9.5
2 9.9
3 10.4
4 11.4
5 12.8
6 14.2
7 16.0
8 17.7
9 19.5
10 21.2
11 22.9
12 24.7
13 26.4
14 28.2
15 30.0
16 31.7
17 33.4
18 35.2
19 36.9
20 38.7
21 40.4
22 42.2
23 43.9
24 45.6
25 47.2
26 48.9
27 50.6
28 52.3
29 54.1
30 55.8
31 57.6
32 59.3
33 61.2
34 63.0
35 64.4
36 64.7

64.7



143.2

R
1 143.2
2 162.0
3 180.3
4 199.6
5 218.4
6 237.2
7 256.0
8 274.3
9 293.6
10 312.4
11 331.2
12 350.0
13 368.8
14 387.6
15 406.4
16 425.2
17 462.8

U

9.5

462.8

U, R, A DISPLAY (VELOCITY AT I<sub>MAX</sub>)

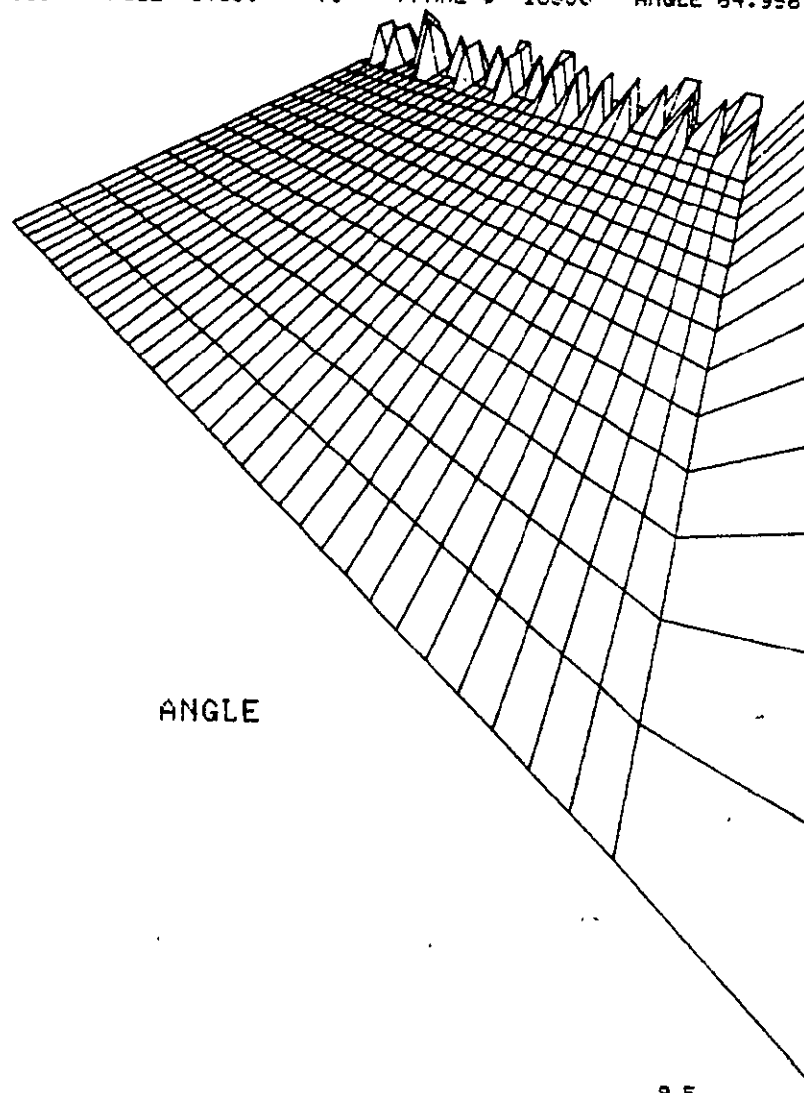


NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 27 FRAME # 18315 ANGLE -9.350 TO FRAME # 18950 ANGLE 64.956 CRITICAL AMP AT CELL 62  
 OPTION # 22-1

MAXIMUM U = 4.0  
 AVERAGE U = 1.2

ANGLE  
 1 9.5  
 2 9.9  
 3 10.4  
 4 11.4  
 5 12.8  
 6 14.2  
 7 16.0  
 8 17.7  
 9 19.5  
 10 21.2  
 11 22.9  
 12 24.7  
 13 26.4  
 14 28.2  
 15 30.0  
 16 31.7  
 17 33.4  
 18 35.2  
 19 36.9  
 20 38.7  
 21 40.4  
 22 42.2  
 23 43.9  
 24 45.6  
 25 47.2  
 26 48.9  
 27 50.6  
 28 52.3  
 29 54.1  
 30 55.8  
 31 57.6  
 32 59.3  
 33 61.2  
 34 63.0  
 35 64.4  
 36 64.7

64.7



143.2

R  
 1 143.2  
 2 162.0  
 3 180.8  
 4 199.6  
 5 218.4  
 6 237.2  
 7 256.0  
 8 274.8  
 9 293.6  
 10 312.4  
 11 331.2  
 12 350.0  
 13 368.8  
 14 387.6  
 15 406.4  
 16 425.2  
 17 444.0

R

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9.5

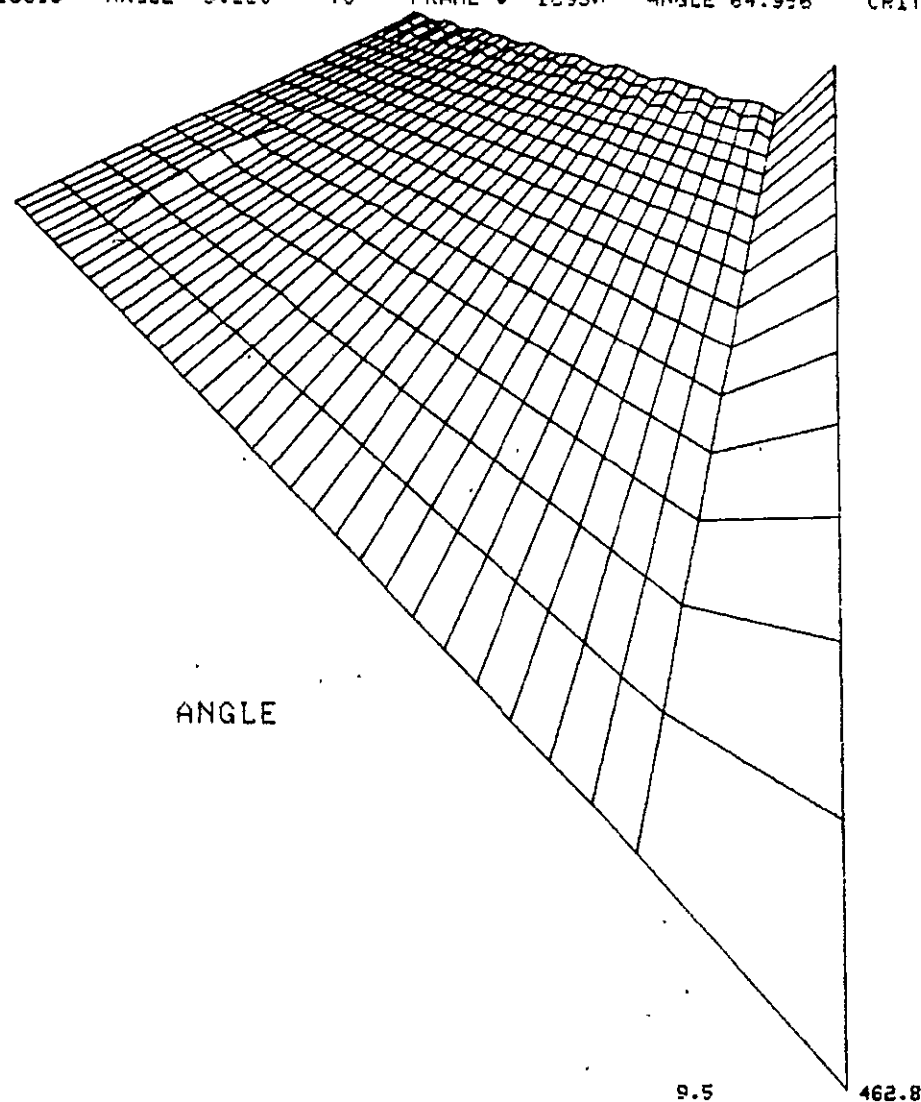
462.8

U<sub>max</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT 1 = 5

NASA PROJECT DUST DEWIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 27 FRAME # 18315 ANGLE 9.350 TO FRAME # 18950 ANGLE 64.956 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 58.0  
 AVERAGE U = 2.9

ANGLE	
1	9.5
2	9.9
3	10.4
4	11.4
5	12.8
6	14.2
7	16.0
8	17.7
9	19.5
10	21.2
11	22.9
12	24.7
13	26.4
14	28.2
15	30.0
16	31.7
17	33.4
18	35.2
19	36.9
20	38.7
21	40.4
22	42.2
23	43.9
24	45.6
25	47.2
26	48.9
27	50.6
28	52.3
29	54.1
30	55.8
31	57.6
32	59.3
33	61.2
34	63.0
35	64.4
36	64.7



143.2

R	
1	143.2
2	162.0
3	180.8
4	199.6
5	218.4
6	237.2
7	256.0
8	274.8
9	293.6
10	312.4
11	331.2
12	350.0
13	368.8
14	387.6
15	406.4
16	425.2
17	444.0

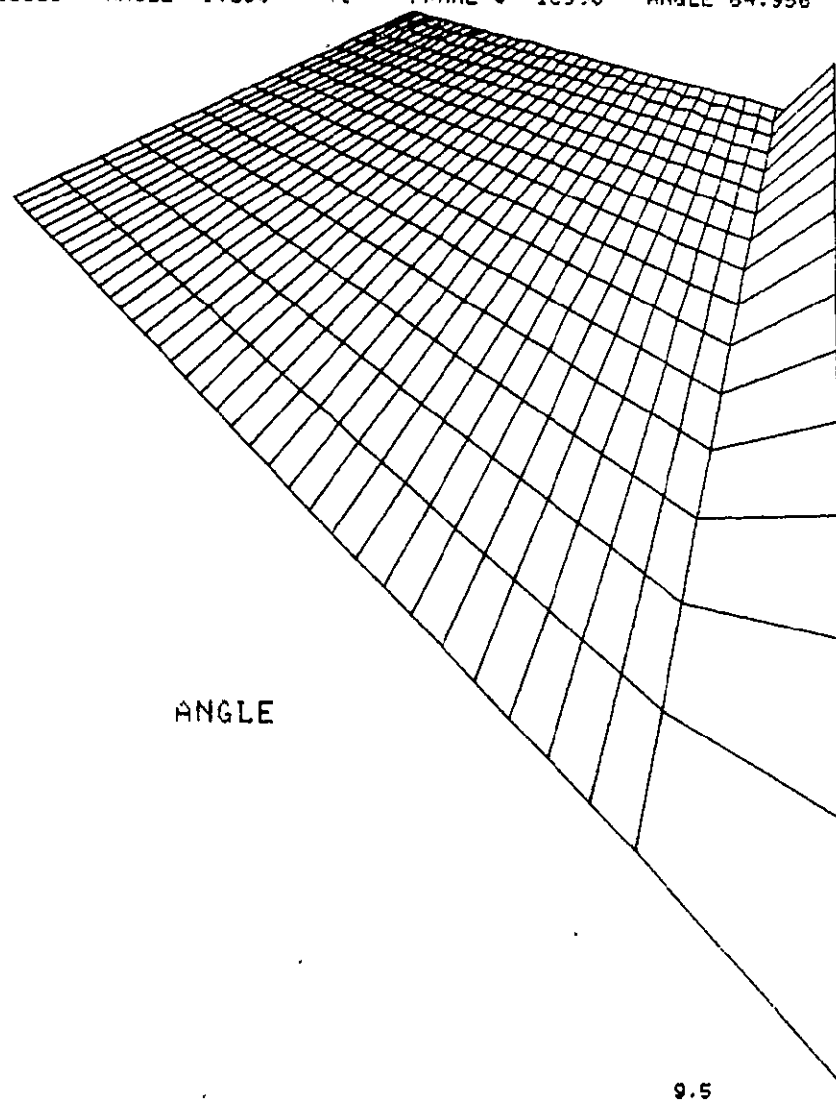
U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

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NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 2 OF 2-29236  
 \* SCAN # 27 FRAME # 18315 ANGLE 9.350 TO FRAME # 18950 ANGLE 64.956 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 9.5  
 2 9.9  
 3 10.4  
 4 11.4  
 5 12.8  
 6 14.2  
 7 16.0  
 8 17.7  
 9 19.5  
 10 21.2  
 11 22.9  
 12 24.7  
 13 26.4  
 14 28.2  
 15 30.0  
 16 31.7  
 17 33.4  
 18 35.2  
 19 36.9  
 20 38.7  
 21 40.4  
 22 42.2  
 23 43.9  
 24 45.6  
 25 47.2  
 26 48.9  
 27 50.6  
 28 52.3  
 29 54.1  
 30 55.8  
 31 57.6  
 32 59.3  
 33 61.2  
 34 63.0  
 35 64.4  
 36 64.7

64.7



143.2

R  
 1 143.2  
 2 162.0  
 3 180.8  
 4 199.6  
 5 218.4  
 6 237.2  
 7 256.0  
 8 274.2  
 9 293.6  
 10 312.4  
 11 331.2  
 12 350.0  
 13 368.8  
 14 387.6  
 15 406.4  
 16 425.2  
 17 462.8

0

9.5

462.8

U \* I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 27 FRAME # 18315 ANGLE 9.950 TO FRAME # 18350 ANGLE 64.956 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 9.5  
 2 9.9  
 3 10.4  
 4 11.4  
 5 12.8  
 6 14.2  
 7 16.0  
 8 17.7  
 9 19.5  
 10 21.2  
 11 22.9  
 12 24.7  
 13 26.4  
 14 28.2  
 15 30.0  
 16 31.7  
 17 33.4  
 18 35.2  
 19 36.9  
 20 38.7  
 21 40.4  
 22 42.2  
 23 43.9  
 24 45.6  
 25 47.2  
 26 48.9  
 27 50.6  
 28 52.3  
 29 54.1  
 30 55.8  
 31 57.6  
 32 59.3  
 33 61.2  
 34 63.0  
 35 64.4  
 36 64.7

64.7

ANGLE

9.5

143.2

R

R  
 1 143.2  
 2 162.0  
 3 180.8  
 4 199.6  
 5 218.4  
 6 237.2  
 7 256.0  
 8 274.2  
 9 293.6  
 10 312.4  
 11 331.2  
 12 350.0  
 13 368.3  
 14 387.6  
 15 406.4  
 16 425.2  
 17 462.8

462.8

U \* I<sub>max</sub>, P, A DISPLAY

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NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 28 FRAME # 18950 ANGLE 64.956 TO FRAME # 19552 ANGLE 3.326 CRITICAL AMP AT CELL 62

OPTION # 11-1

MAXIMUM I = 27.0

AVERAGE I = 0.9

ANGLE  
 1 64.9  
 2 64.3  
 3 63.4  
 4 62.2  
 5 60.7  
 6 59.0  
 7 57.2  
 8 55.4  
 9 53.7  
 10 52.0  
 11 50.2  
 12 48.5  
 13 46.8  
 14 45.2  
 15 43.4  
 16 41.6  
 17 39.9  
 18 38.3  
 19 36.4  
 20 34.7  
 21 33.0  
 22 31.3  
 23 29.5  
 24 27.7  
 25 25.9  
 26 24.2  
 27 22.4  
 28 20.6  
 29 18.9  
 30 17.1  
 31 15.3  
 32 13.6  
 33 11.8  
 34 10.3  
 35 9.5

64.9

ANGLE

9.5

157.6

R

R  
 1 157.6  
 2 176.9  
 3 196.2  
 4 215.5  
 5 234.9  
 6 254.2  
 7 273.5  
 8 292.8  
 9 312.2  
 10 331.5  
 11 350.3  
 12 370.1  
 13 389.4  
 14 408.3  
 15 428.1  
 16 466.7

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466.7

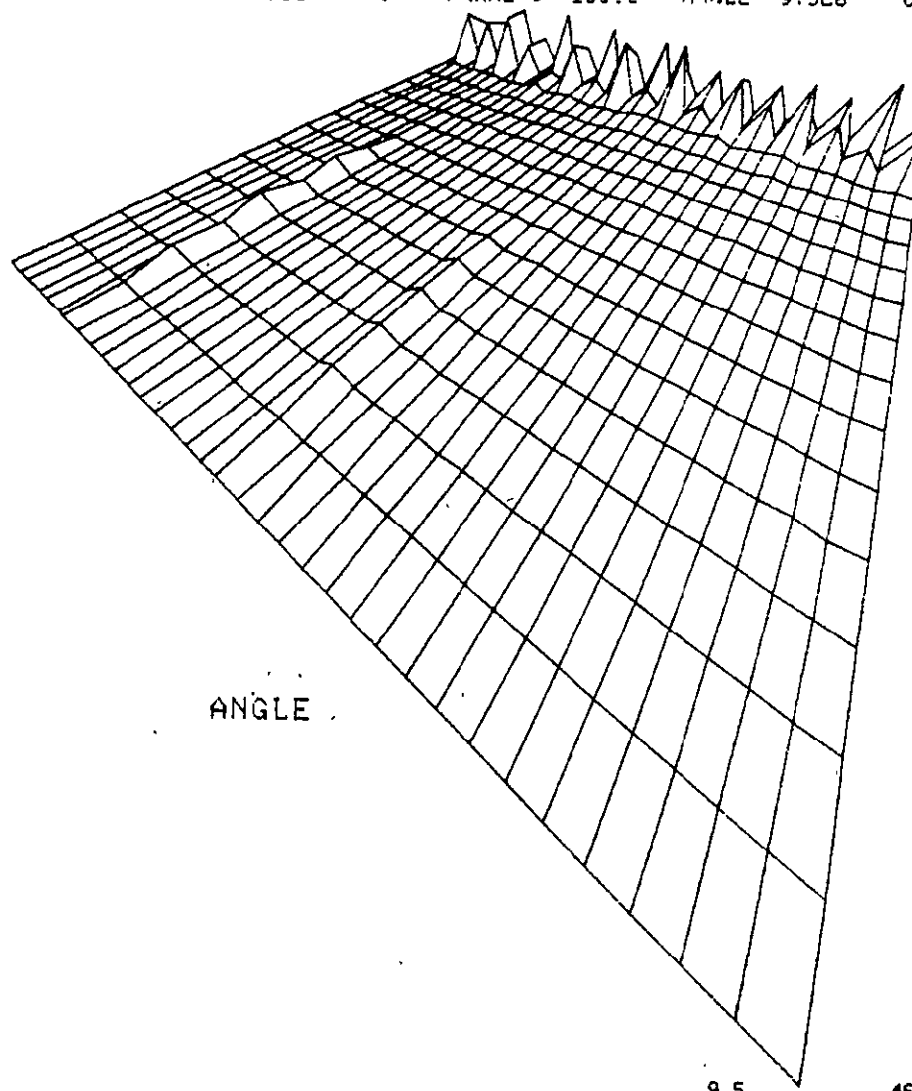
IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 208 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 28 FRAME # 18950 ANGLE 64.956 TO FRAME # 19550 ANGLE 9.326 CRITICAL AMP AT CELL 62  
 OPTION # 11-2

MAXIMUM I = 47.0  
 AVERAGE I = 2.5

ANGLE  
 1 64.9  
 2 64.3  
 3 63.4  
 4 62.2  
 5 60.7  
 6 59.0  
 7 57.2  
 8 55.4  
 9 53.7  
 10 52.0  
 11 50.2  
 12 48.5  
 13 46.8  
 14 45.2  
 15 43.4  
 16 41.6  
 17 39.9  
 18 38.3  
 19 36.4  
 20 34.7  
 21 33.0  
 22 31.3  
 23 29.5  
 24 27.7  
 25 25.9  
 26 24.2  
 27 22.4  
 28 20.6  
 29 18.9  
 30 17.1  
 31 15.3  
 32 13.6  
 33 11.8  
 34 10.3  
 35 9.5

64.9



157.6

R  
 1 157.6  
 2 176.9  
 3 196.2  
 4 215.5  
 5 234.9  
 6 254.2  
 7 273.5  
 8 292.8  
 9 312.2  
 10 331.5  
 11 350.3  
 12 370.1  
 13 389.4  
 14 408.8  
 15 428.1  
 16 466.7

R

ANGLE

9.5

466.7

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 28 FRAME # 18950 ANGLE 64.956 TO FRAME # 19559 ANGLE 9.326 CRITICAL AMP AT CELL 62  
 OPTION # 12-1

MAXIMUM I = 10.0  
 AVERAGE I = 0.0

ANGLE  
 1 64.9  
 2 64.3  
 3 63.4  
 4 62.2  
 5 60.7  
 6 59.0  
 7 57.2  
 8 55.4  
 9 53.7  
 10 52.0  
 11 50.2  
 12 48.5  
 13 46.8  
 14 45.2  
 15 43.4  
 16 41.6  
 17 39.9  
 18 38.3  
 19 36.4  
 20 34.7  
 21 33.0  
 22 31.3  
 23 29.5  
 24 27.7  
 25 25.9  
 26 24.2  
 27 22.4  
 28 20.6  
 29 18.9  
 30 17.1  
 31 15.3  
 32 13.6  
 33 11.8  
 34 10.3  
 35 9.5

64.9

ANGLE

9.5

157.6

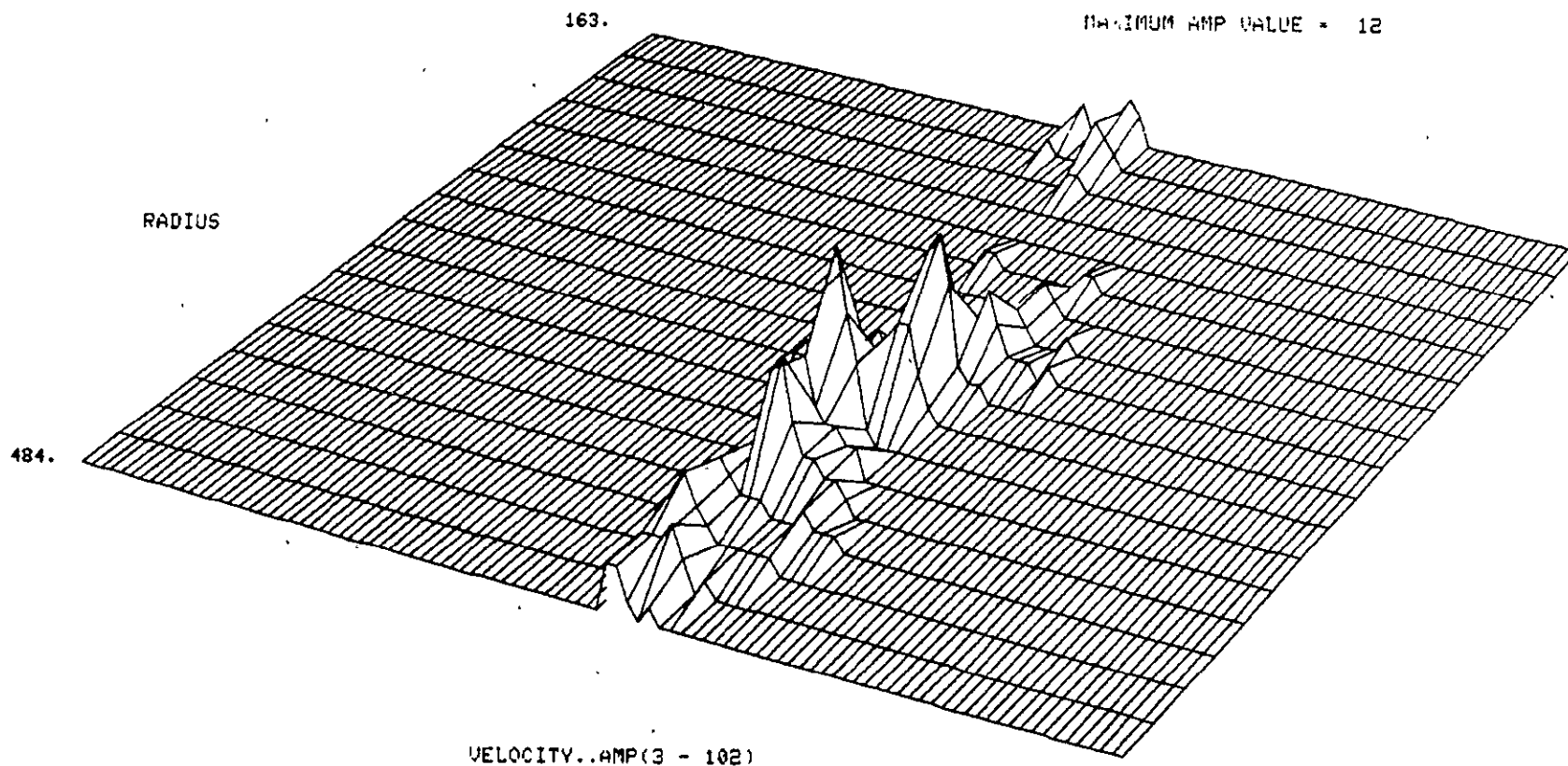
R

466.7

R  
 1 157.6  
 2 176.9  
 3 196.2  
 4 215.5  
 5 234.9  
 6 254.2  
 7 273.5  
 8 292.8  
 9 312.2  
 10 331.5  
 11 350.2  
 12 370.1  
 13 389.4  
 14 408.8  
 15 429.1  
 16 466.7

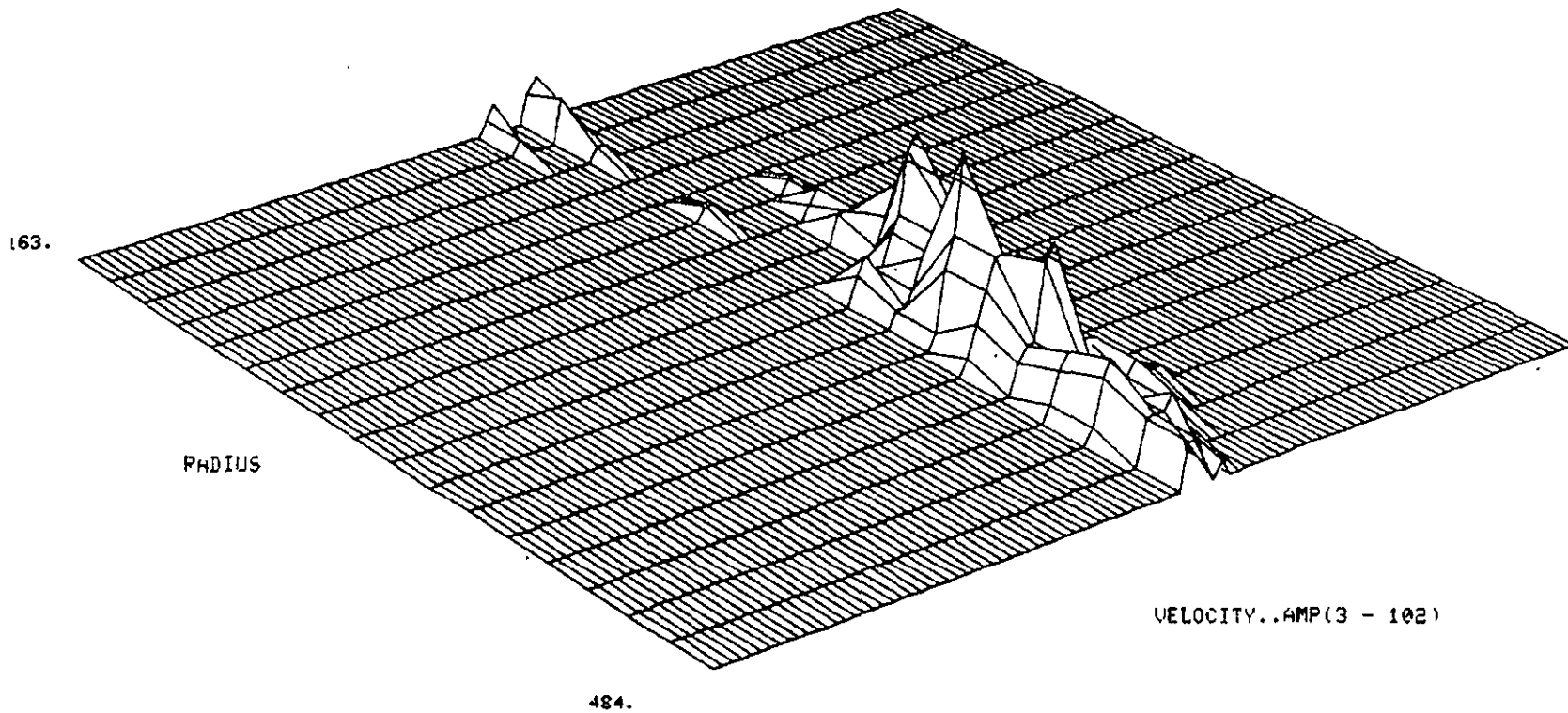
I, R, A DISPLAY AT VELOCITY CELL 62

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-29226  
 SCAN # 28 FRAME # 18950 ANGLE 64.956 TO FRAME # 19558 ANGLE 9.326 CRITICAL AMP AT CELL 62  
 FRAME # 19046 TO 19064  
 ANGLE = 57.14  
 MAXIMUM AMP VALUE = 12





NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-39226  
 SCAN # 28 FRAME # 18950 ANGLE 64.956 TO FRAME # 19558 ANGLE 9.326 CRITICAL AMP AT CELL 62  
 FRAME # 19046 TO 19064  
 ANGLE = 57.14  
 MAXIMUM AMP VALUE = 12



NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 28 FRAME # 18950 ANGLE 64.956 70 FRAME # 19550 ANGLE 9.326 CRITICAL AMP AT CELL 62

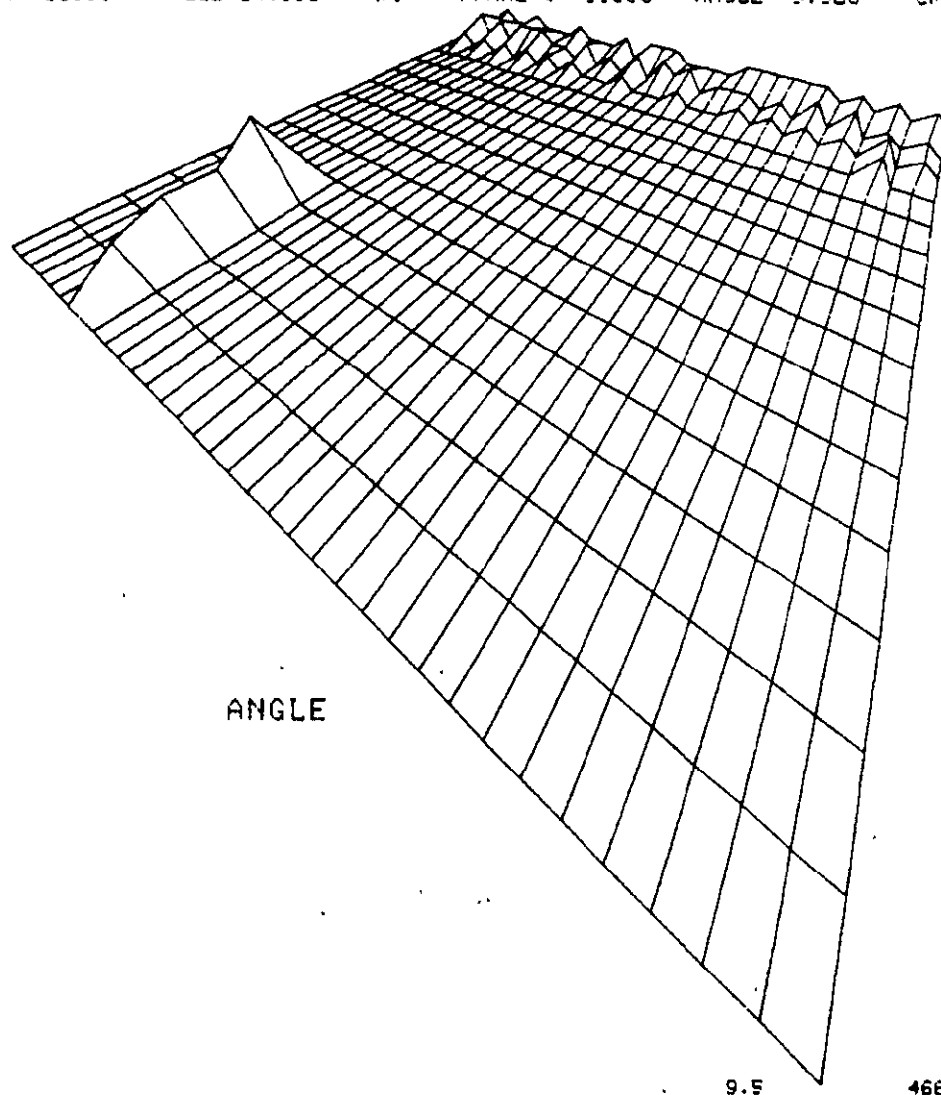
OPTION # 21-1

MAXIMUM U = 7.0

AVERAGE U = 1.2

ANGLE  
 1 64.9  
 2 64.3  
 3 63.4  
 4 62.2  
 5 60.7  
 6 59.0  
 7 57.2  
 8 55.4  
 9 53.7  
 10 52.0  
 11 50.2  
 12 48.5  
 13 46.8  
 14 45.2  
 15 43.4  
 16 41.6  
 17 39.9  
 18 38.3  
 19 36.4  
 20 34.7  
 21 33.0  
 22 31.3  
 23 29.5  
 24 27.7  
 25 25.9  
 26 24.2  
 27 22.4  
 28 20.6  
 29 18.9  
 30 17.1  
 31 15.3  
 32 13.6  
 33 11.8  
 34 10.3  
 35 9.5

64.9



157.6

R  
 1 157.6  
 2 176.9  
 3 196.2  
 4 215.5  
 5 234.9  
 6 254.2  
 7 273.5  
 8 292.8  
 9 312.2  
 10 331.5  
 11 350.8  
 12 370.1  
 13 389.4  
 14 408.7  
 15 428.1  
 16 446.7

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9.5

466.7

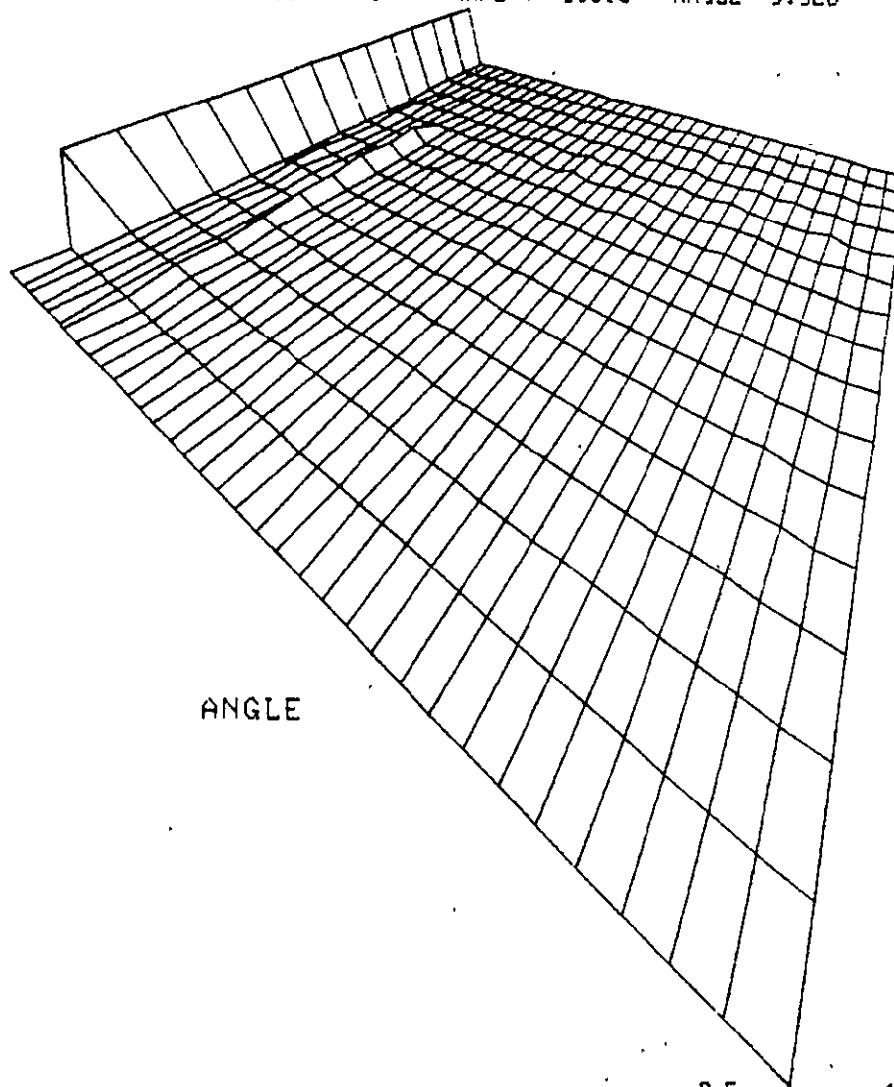
U, P, A DISPLAY (VELOCITY AT MAX)

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 28 FRAME # 18950 ANGLE 64.956 TO FRAME # 19552 ANGLE 9.326 OPTICAL AMP AT CELL 62  
 OPTION # 21-2

MAXIMUM  $\bar{U}$  = 55.0  
 AVERAGE  $\bar{U}$  = 3.5

ANGLE  
 1 64.9  
 2 64.3  
 3 63.4  
 4 62.2  
 5 60.7  
 6 59.0  
 7 57.2  
 8 55.4  
 9 53.7  
 10 52.0  
 11 50.2  
 12 48.5  
 13 46.8  
 14 45.2  
 15 43.4  
 16 41.6  
 17 39.9  
 18 38.3  
 19 36.4  
 20 34.7  
 21 33.0  
 22 31.3  
 23 29.5  
 24 27.7  
 25 25.9  
 26 24.2  
 27 22.4  
 28 20.6  
 29 18.9  
 30 17.1  
 31 15.3  
 32 13.6  
 33 11.8  
 34 10.3  
 35 9.5

64.9



157.6

R  
 1 157.6  
 2 176.9  
 3 196.2  
 4 215.5  
 5 234.3  
 6 254.2  
 7 273.5  
 8 292.8  
 9 312.2  
 10 331.5  
 11 350.8  
 12 370.1  
 13 389.4  
 14 408.8  
 15 429.1  
 16 466.7

U

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466.7

U, R, A DISPLAY (VELOCITY AT MAX)

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 28 FRAME # 18950 ANGLE 64.956 TO FRAME # 19556 ANGLE 9.326 CRITICAL AMP AT CELL 62

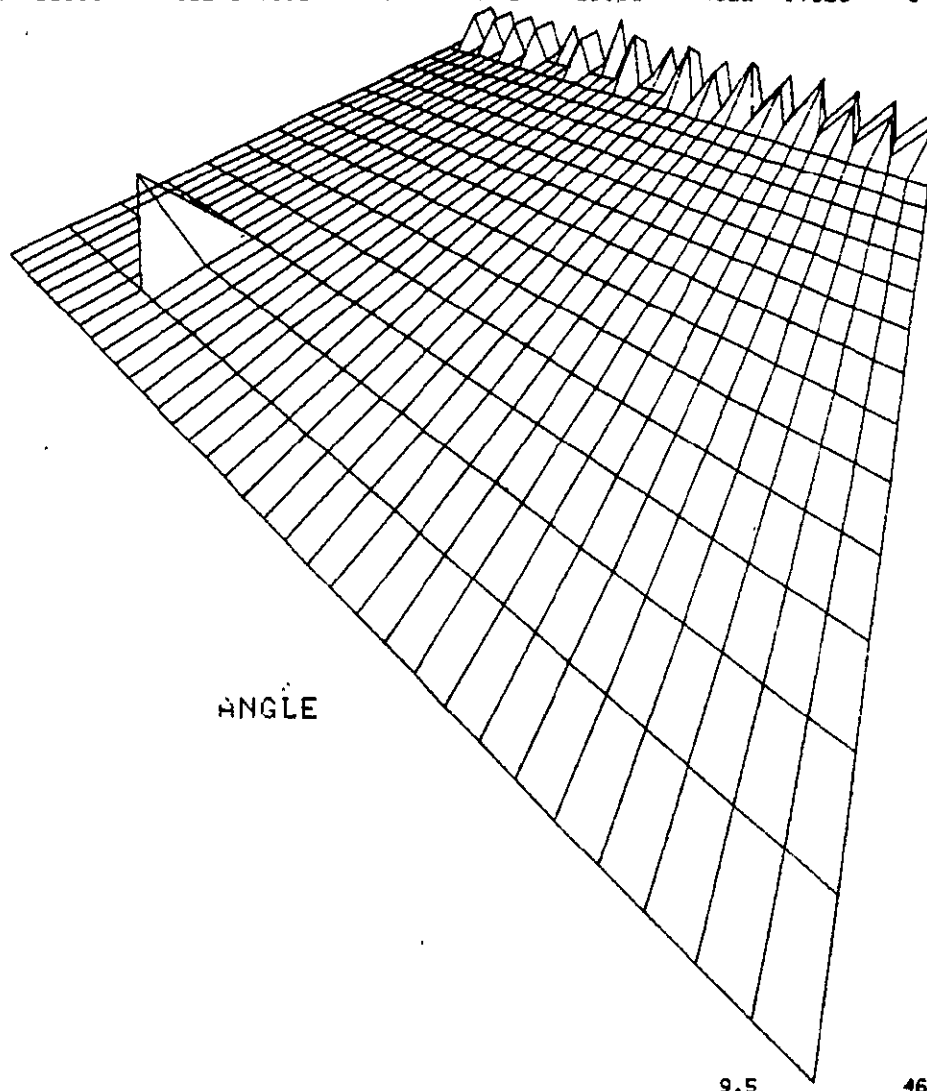
OPTION # 22-1

MAXIMUM U = 5.0

AVERAGE U = 1.1

ANGLE  
 1 64.9  
 2 64.3  
 3 63.4  
 4 62.2  
 5 60.7  
 6 59.0  
 7 57.2  
 8 55.4  
 9 53.7  
 10 52.0  
 11 50.2  
 12 48.5  
 13 46.8  
 14 45.2  
 15 43.4  
 16 41.6  
 17 39.9  
 18 38.3  
 19 36.4  
 20 34.7  
 21 33.0  
 22 31.3  
 23 29.5  
 24 27.7  
 25 25.9  
 26 24.2  
 27 22.4  
 28 20.6  
 29 18.9  
 30 17.1  
 31 15.3  
 32 13.6  
 33 11.8  
 34 10.3  
 35 9.5

64.9



157.6

R  
 1 157.6  
 2 176.9  
 3 196.2  
 4 215.5  
 5 234.9  
 6 254.2  
 7 273.5  
 8 292.8  
 9 312.2  
 10 331.5  
 11 350.8  
 12 370.1  
 13 389.4  
 14 408.2  
 15 428.1  
 16 446.7

R

9.5

466.7

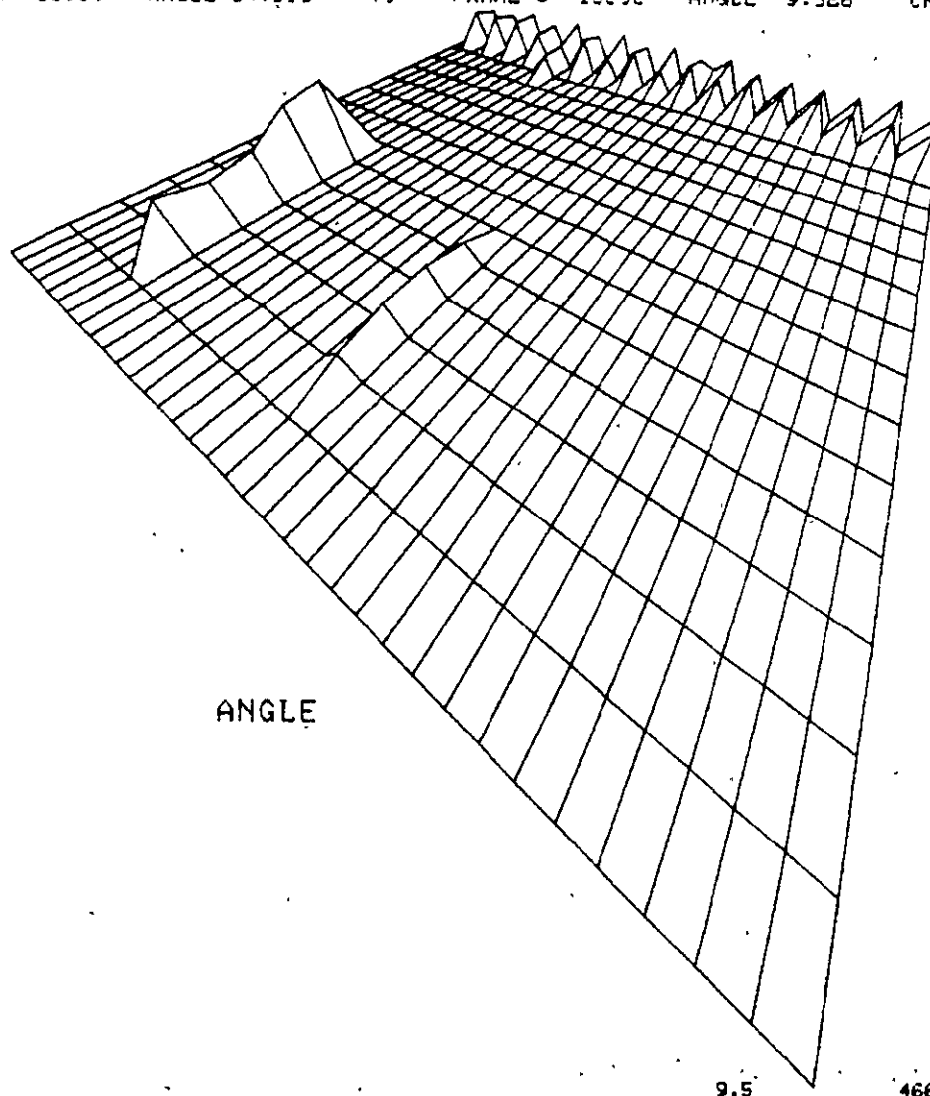
U<sub>MAX</sub>, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 5.

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 28 FRAME # 18950 ANGLE 64.956 TO FRAME # 19550 ANGLE 9.326 CRITICAL AMP AT CELL 62  
 OPTION # 22-2

MAXIMUM U = 11.0  
 AVERAGE U = 1.4

ANGLE  
 1 64.9  
 2 64.3  
 3 63.4  
 4 62.2  
 5 60.7  
 6 59.0  
 7 57.2  
 8 55.4  
 9 53.7  
 10 52.0  
 11 50.2  
 12 48.5  
 13 46.8  
 14 45.2  
 15 43.4  
 16 41.6  
 17 39.9  
 18 38.3  
 19 36.4  
 20 34.7  
 21 33.0  
 22 31.3  
 23 29.5  
 24 27.7  
 25 25.9  
 26 24.2  
 27 22.4  
 28 20.6  
 29 18.9  
 30 17.1  
 31 15.3  
 32 13.6  
 33 11.8  
 34 10.3  
 35 9.5

64.9



157.6

R  
 1 157.6  
 2 176.9  
 3 196.2  
 4 215.5  
 5 234.9  
 6 254.2  
 7 273.5  
 8 292.8  
 9 312.2  
 10 331.5  
 11 350.8  
 12 370.1  
 13 389.4  
 14 408.8  
 15 428.1  
 16 446.7

R

9.5

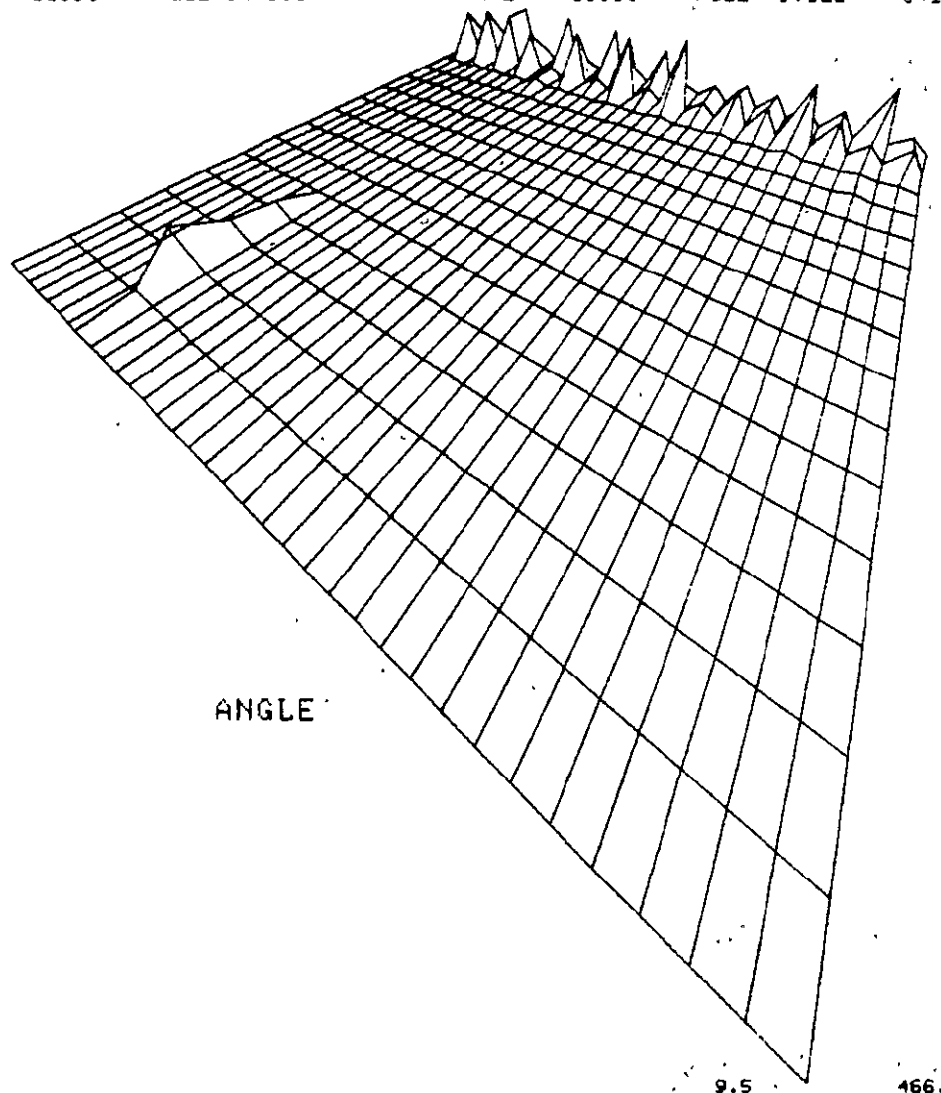
466.7

Umax, R, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-22226  
 \* SCAN # 28 FRAME # 18950 ANGLE 64.956 TO FRAME # 19552 ANGLE 9.326 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 64.9  
 2 64.3  
 3 63.4  
 4 62.2  
 5 60.7  
 6 59.0  
 7 57.2  
 8 55.4  
 9 53.7  
 10 52.0  
 11 50.2  
 12 48.5  
 13 46.8  
 14 45.2  
 15 43.4  
 16 41.6  
 17 39.9  
 18 38.3  
 19 36.4  
 20 34.7  
 21 33.0  
 22 31.3  
 23 29.5  
 24 27.7  
 25 25.9  
 26 24.2  
 27 22.4  
 28 20.6  
 29 18.9  
 30 17.1  
 31 15.3  
 32 13.6  
 33 11.8  
 34 10.3  
 35 9.5

64.9



157.6

R  
 1 157.6  
 2 176.9  
 3 196.2  
 4 215.5  
 5 234.9  
 6 254.2  
 7 273.5  
 8 292.3  
 9 312.2  
 10 331.5  
 11 350.3  
 12 370.1  
 13 389.4  
 14 408.3  
 15 428.1  
 16 466.7

R

9.5

466.7

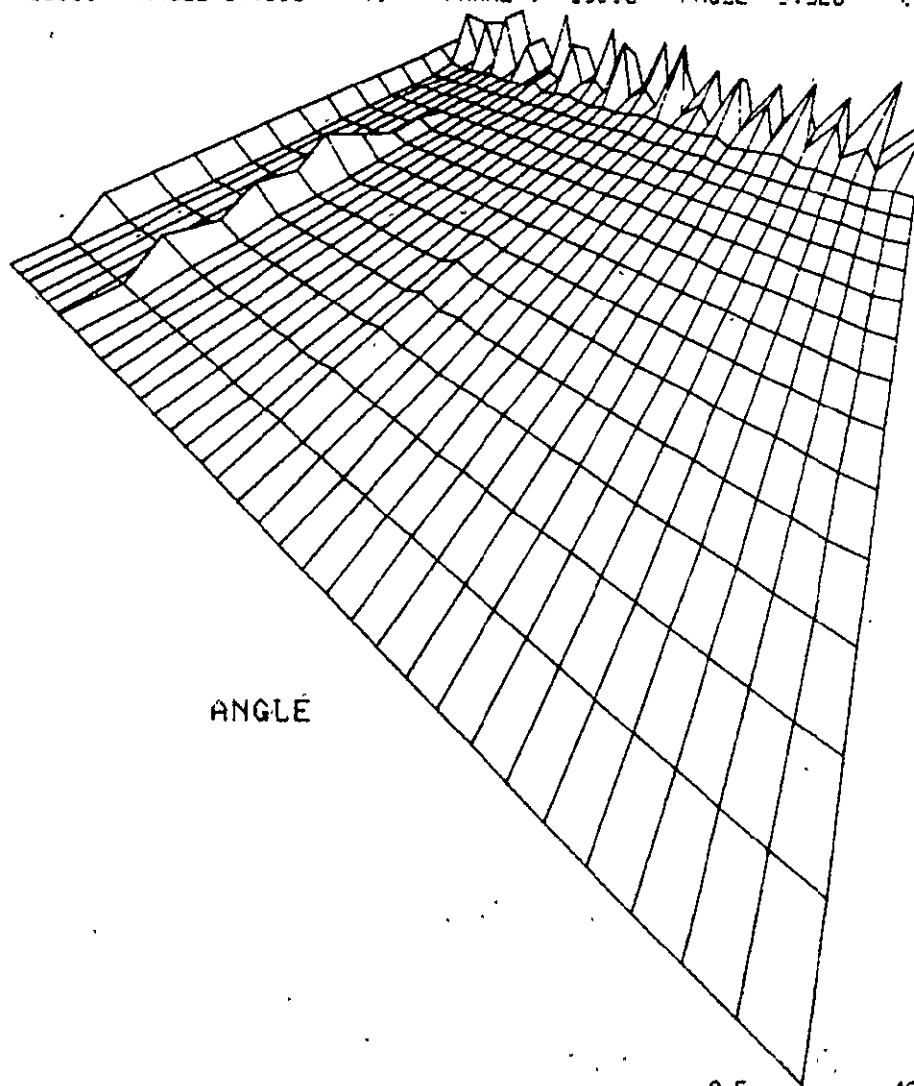
U \* I<sub>MAX</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226.  
 \* SCAN # 28 FRAME # 18950 ANGLE 64.956 TO FRAME # 19558 ANGLE 3.326 CRITICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 64.9  
 2 64.3  
 3 63.4  
 4 62.2  
 5 60.7  
 6 59.0  
 7 57.2  
 8 55.4  
 9 53.7  
 10 52.0  
 11 50.2  
 12 48.5  
 13 46.8  
 14 45.2  
 15 43.4  
 16 41.6  
 17 39.9  
 18 38.3  
 19 36.4  
 20 34.7  
 21 33.0  
 22 31.3  
 23 29.5  
 24 27.7  
 25 25.9  
 26 24.2  
 27 22.4  
 28 20.6  
 29 18.9  
 30 17.1  
 31 15.3  
 32 13.6  
 33 11.8  
 34 10.3  
 35 9.5

64.9

ANGLE



157.6

R  
 1 157.6  
 2 176.9  
 3 196.2  
 4 215.5  
 5 234.9  
 6 254.2  
 7 273.5  
 8 292.8  
 9 312.2  
 10 331.5  
 11 350.8  
 12 370.1  
 13 389.4  
 14 408.8  
 15 428.1  
 16 466.7

U

9.5

466.7

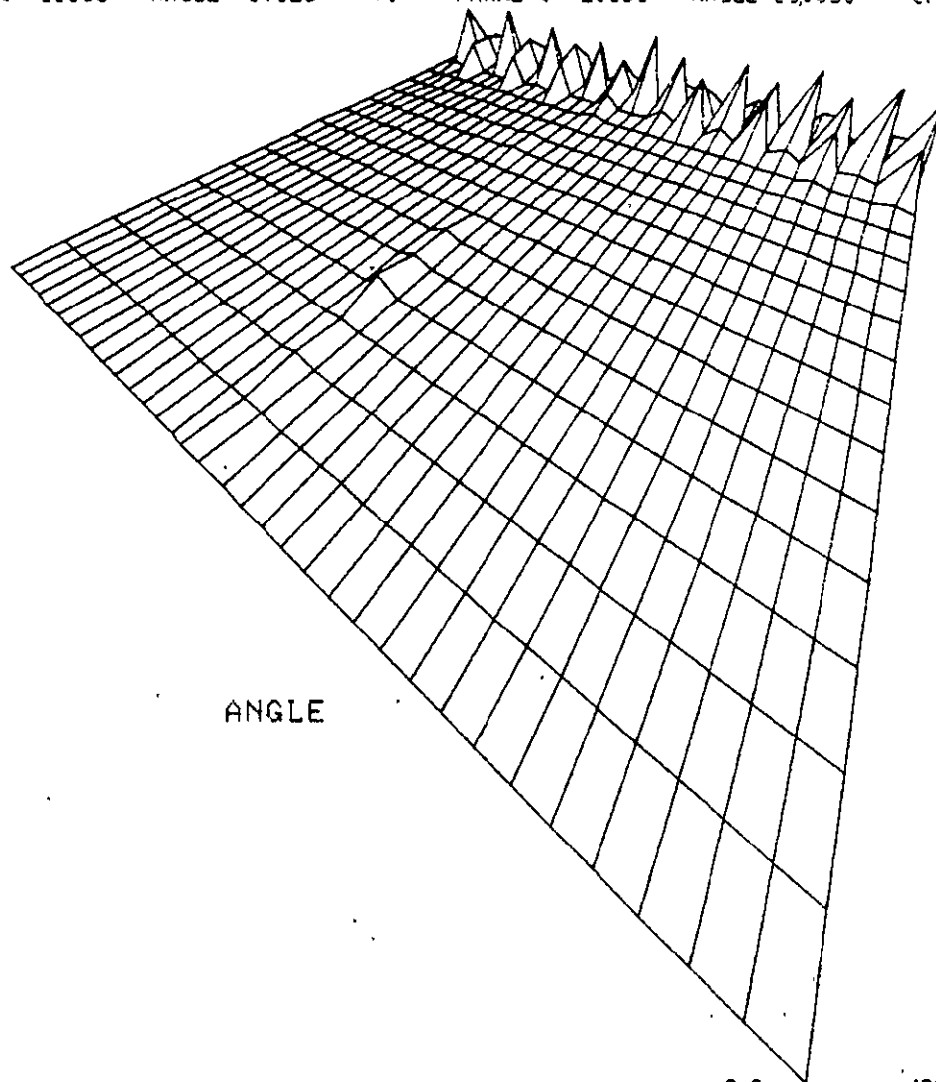
U \* I<sub>max</sub>, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-23226  
 \* SCAN # 29 FRAME # 19558 ANGLE 9.326 TO FRAME # 20191 ANGLE 65.030 CRITICAL AMP AT CELL 62  
 OPTION # 11-1

MAXIMUM I = 20.0  
 AVERAGE I = 0.8

ANGLE  
 1 9.8  
 2 10.2  
 3 11.1  
 4 12.4  
 5 13.8  
 6 15.5  
 7 17.3  
 8 19.1  
 9 20.8  
 10 22.5  
 11 24.2  
 12 26.0  
 13 27.9  
 14 29.6  
 15 31.3  
 16 33.0  
 17 34.8  
 18 36.5  
 19 38.2  
 20 40.0  
 21 41.7  
 22 43.4  
 23 45.2  
 24 46.8  
 25 48.5  
 26 50.3  
 27 52.0  
 28 53.7  
 29 55.5  
 30 57.2  
 31 59.0  
 32 60.8  
 33 62.5  
 34 64.0  
 35 64.7

64.7



ANGLE

9.8

481.3

145.1

R  
 1 145.1  
 2 164.9  
 3 184.7  
 4 204.5  
 5 224.2  
 6 244.0  
 7 263.8  
 8 283.6  
 9 303.3  
 10 323.1  
 11 342.9  
 12 362.7  
 13 382.4  
 14 402.2  
 15 422.0  
 16 441.8  
 17 461.3

R

I<sub>max</sub>, R, A DISPLAY

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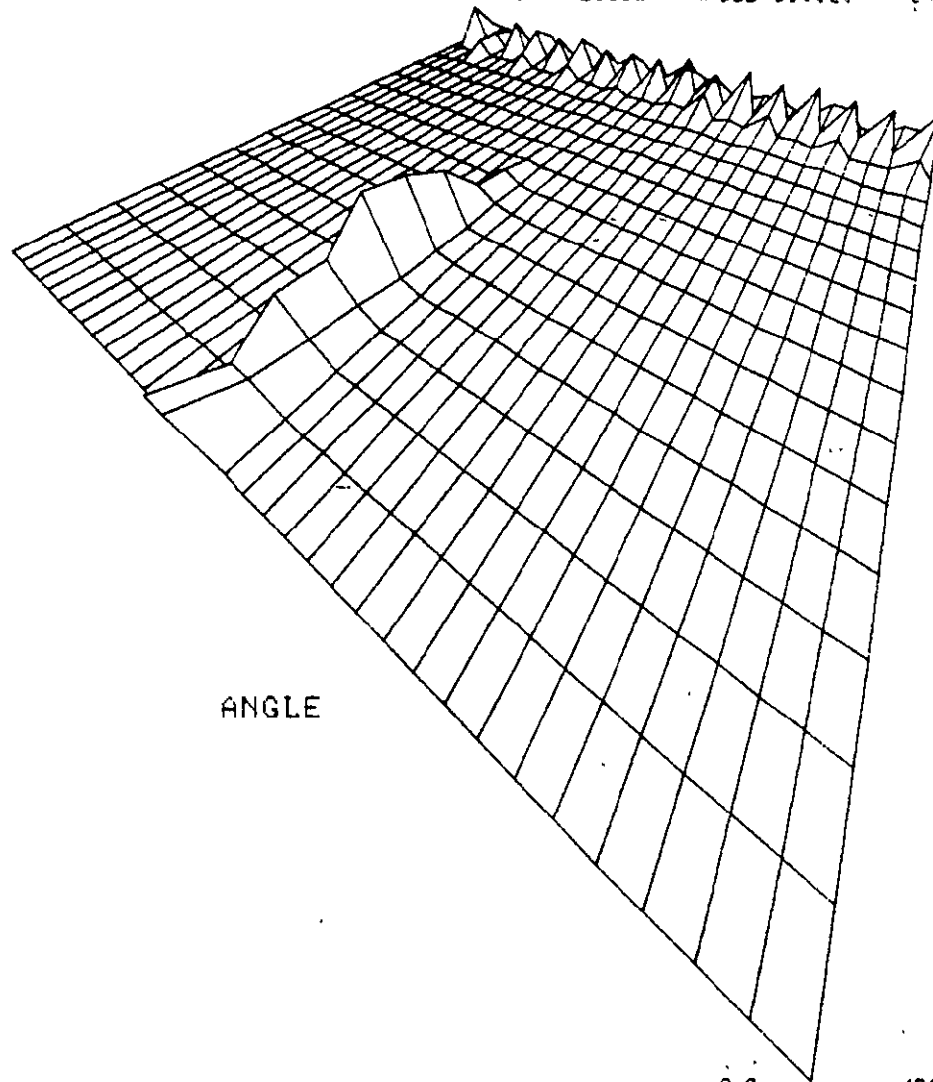
NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TUBE 2 OF 2-23226  
 \* SCAN # 29 FRAME # 19558 ANGLE 9.326 TO FRAME # 20191 ANGLE 65.030 CRITICAL AMP AT CELL 62  
 OPTION # 11-2

MAXIMUM I = 64.0  
 AVERAGE I = 2.6

ANGLE  
 1 9.8  
 2 10.2  
 3 11.1  
 4 12.4  
 5 13.8  
 6 15.5  
 7 17.3  
 8 19.1  
 9 20.8  
 10 22.5  
 11 24.2  
 12 26.0  
 13 27.9  
 14 29.6  
 15 31.3  
 16 33.0  
 17 34.8  
 18 36.5  
 19 38.2  
 20 40.0  
 21 41.7  
 22 43.4  
 23 45.2  
 24 46.8  
 25 48.5  
 26 50.3  
 27 52.0  
 28 53.7  
 29 55.5  
 30 57.2  
 31 59.0  
 32 60.8  
 33 62.5  
 34 64.0  
 35 64.7

64.7

ANGLE



145.1

R  
 1 145.1  
 2 164.9  
 3 184.7  
 4 204.5  
 5 224.2  
 6 244.0  
 7 263.8  
 8 283.6  
 9 303.3  
 10 323.1  
 11 342.9  
 12 362.7  
 13 382.4  
 14 402.2  
 15 422.0  
 16 441.8  
 17 461.3

R

9.8

481.3

IMAX, R, A DISPLAY

NASA PROJECT DUST DEVIL DAY 235 RUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 29 FRAME # 19558 ANGLE 9.326 TO FRAME # 20191 ANGLE 85.030 CRITICAL WMP AT CELL 62

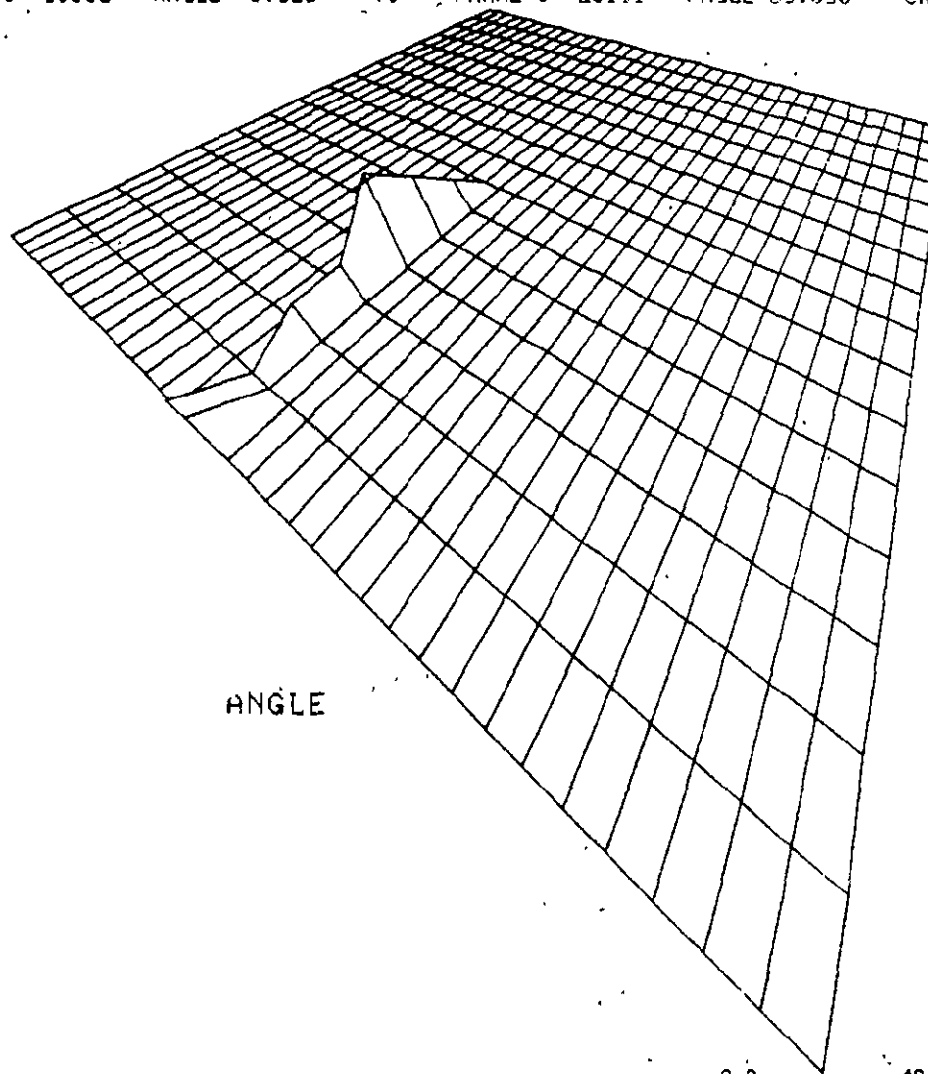
OPTION # 12-1

MAXIMUM I = 3.0

AVERAGE I = 0.0

ANGLE  
 1 9.8  
 2 10.2  
 3 11.1  
 4 12.4  
 5 13.8  
 6 15.5  
 7 17.3  
 8 19.1  
 9 20.8  
 10 22.5  
 11 24.2  
 12 26.0  
 13 27.9  
 14 29.6  
 15 31.3  
 16 33.0  
 17 34.8  
 18 36.5  
 19 38.2  
 20 40.0  
 21 41.7  
 22 43.4  
 23 45.2  
 24 46.8  
 25 48.5  
 26 50.3  
 27 52.0  
 28 53.7  
 29 55.5  
 30 57.2  
 31 59.0  
 32 60.8  
 33 62.5  
 34 64.0  
 35 64.7

64.7



145.1

R  
 1 145.1  
 2 164.9  
 3 184.7  
 4 204.5  
 5 224.2  
 6 244.0  
 7 263.8  
 8 283.6  
 9 303.3  
 10 323.1  
 11 342.9  
 12 362.7  
 13 382.4  
 14 402.2  
 15 422.0  
 16 441.8  
 17 461.6

U

ANGLE

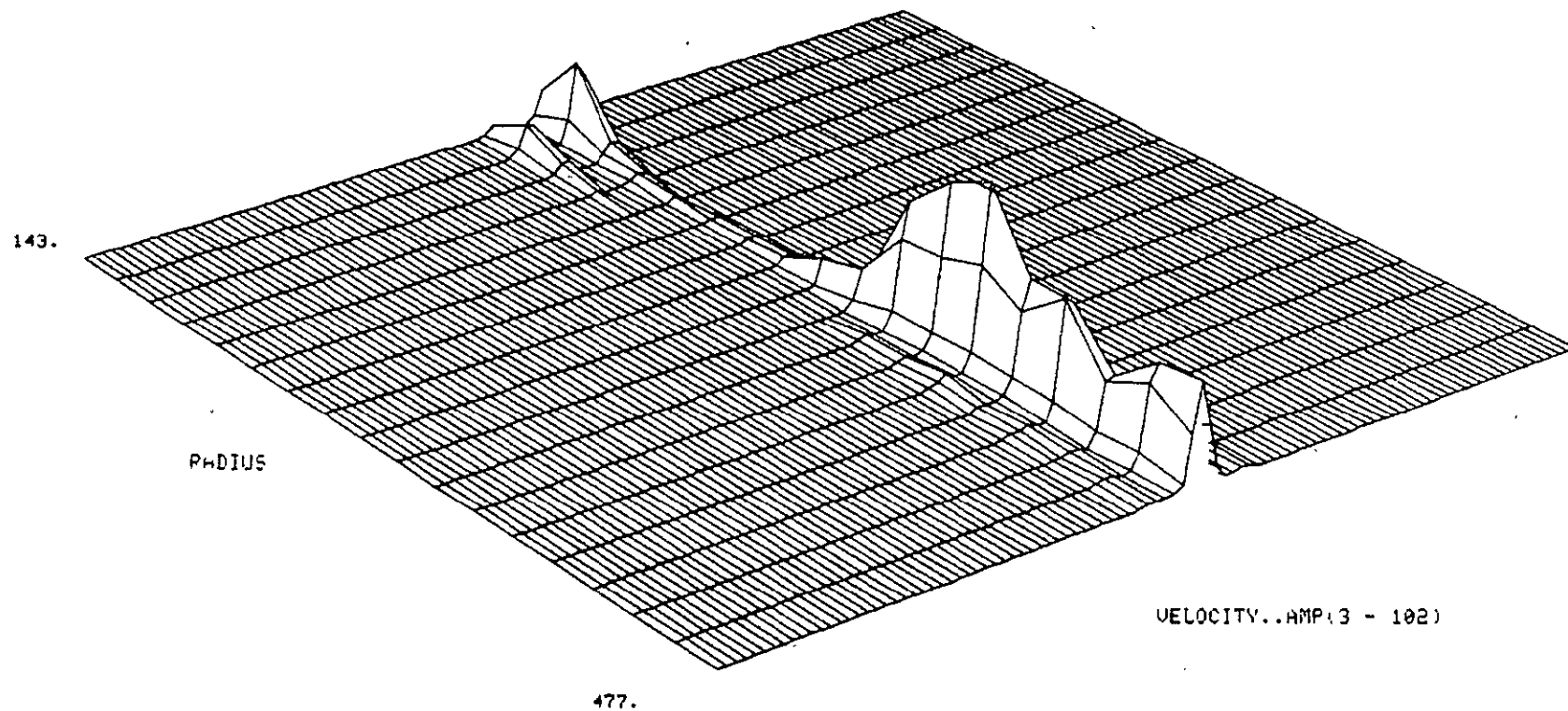
9.8

481.3

I, R, A DISPLAY AT VELOCITY CELL 62

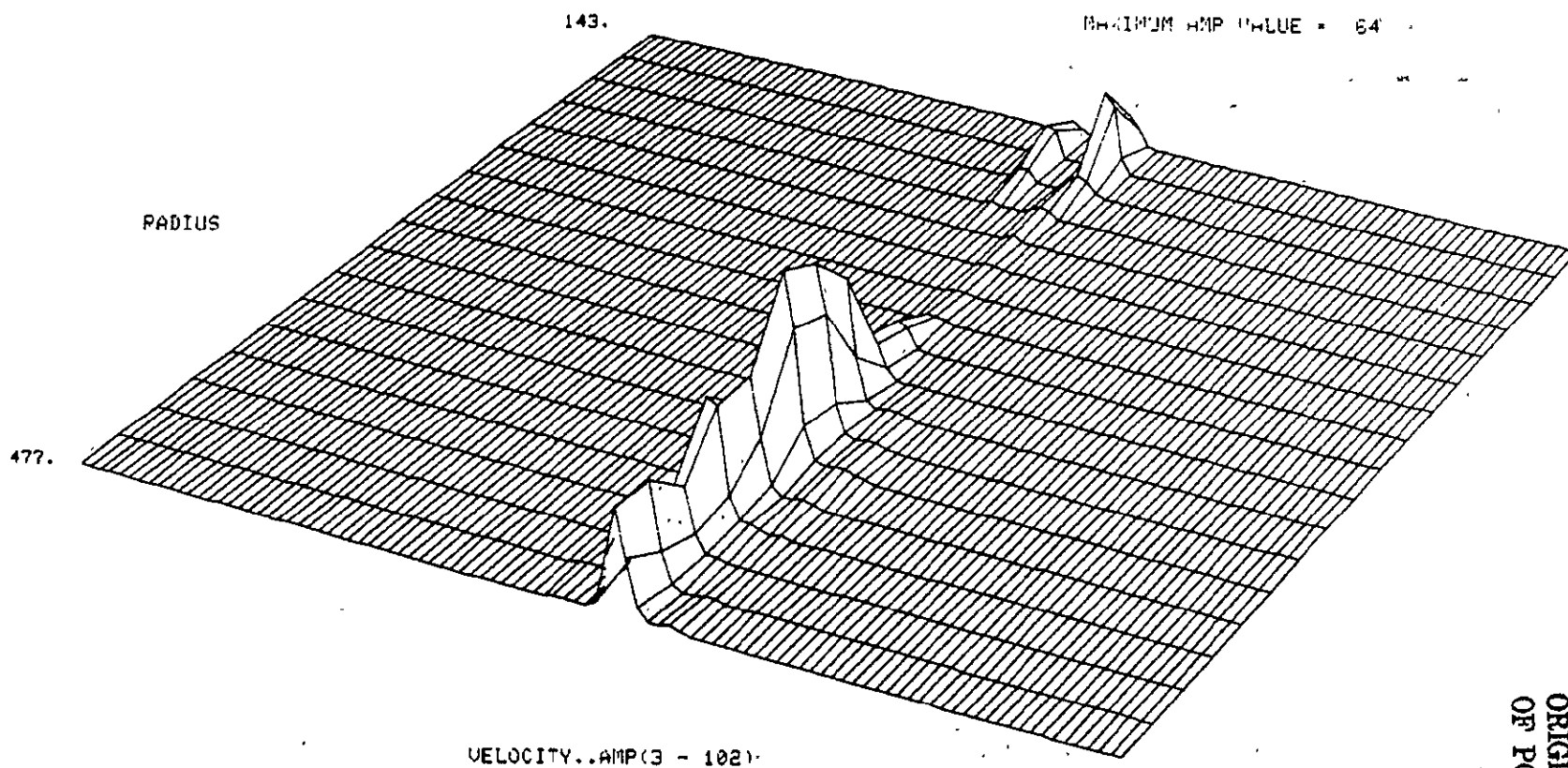
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NASA PROJECT DUST DEVIL DAY 233 RUN # 1 TAPE 2 OF 2-23226  
 SCAN # 29 FRAME # 19553 ANGLE 9.326 TO FRAME # 20131 ANGLE 65.030 CRITICAL AMP AT CELL 62  
 FRAME # 19902 TO 19920  
 ANGLE # 40.04  
 MINIMUM AMP VALUE = 64



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NASA PROJECT DUST DEVIL DAY 238 PUN #. 4 TAPE 2 OF 2-29226  
 SCAN # 29 FRAME # 19558 ANGLE 9.326 TO FRAME # 20191 ANGLE 65.030 CRITICAL AMP AT CELL 62  
 FRAME # 19902 TO 19920  
 ANGLE = 40.04  
 MAXIMUM AMP VALUE = 64



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NASA PROJECT DUST DEVIL DAY 238 FUN # 4 TAPE 2 OF 2-29226  
 \* SCAN # 29 FRAME # 19553 ANGLE 9.326 TO FRAME # 20191 ANGLE 65.030 CRITICAL AMP AT CELL 62

OPTION # 21-1

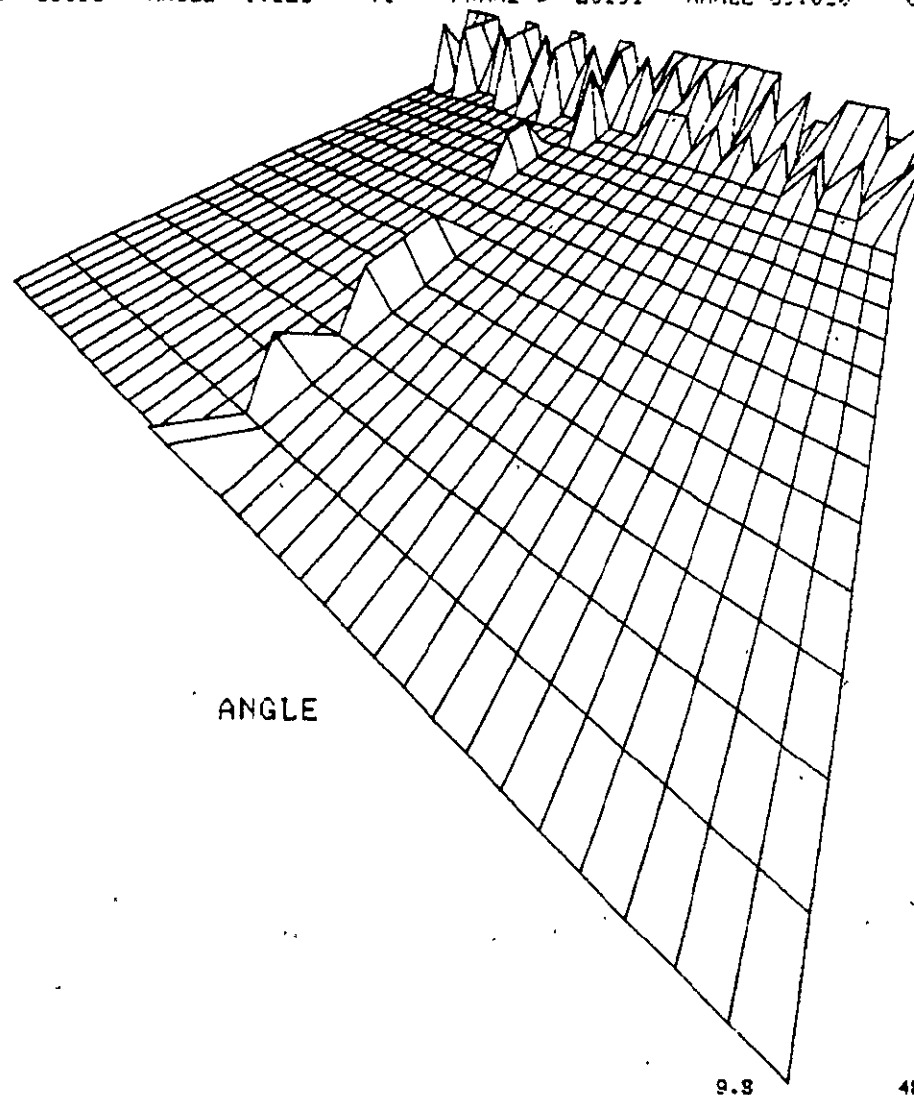
MAXIMUM U = 3.0

AVERAGE U = 1.2

ANGLE  
 1 9.8  
 2 10.2  
 3 11.1  
 4 12.4  
 5 13.8  
 6 15.5  
 7 17.3  
 8 19.1  
 9 20.8  
 10 22.5  
 11 24.2  
 12 26.0  
 13 27.9  
 14 29.6  
 15 31.3  
 16 33.0  
 17 34.8  
 18 36.5  
 19 38.2  
 20 40.0  
 21 41.7  
 22 43.4  
 23 45.2  
 24 46.8  
 25 48.5  
 26 50.3  
 27 52.0  
 28 53.7  
 29 55.5  
 30 57.2  
 31 59.0  
 32 60.8  
 33 62.5  
 34 64.0  
 35 64.7

64.7

ANGLE



145.1

R  
 1 145.1  
 2 164.9  
 3 184.7  
 4 204.5  
 5 224.2  
 6 244.0  
 7 263.8  
 8 283.6  
 9 303.4  
 10 323.1  
 11 342.9  
 12 362.7  
 13 382.4  
 14 402.2  
 15 422.0  
 16 441.8  
 17 461.3

9.8

481.3

U, R, A DISPLAY (VELOCITY AT IMAX)

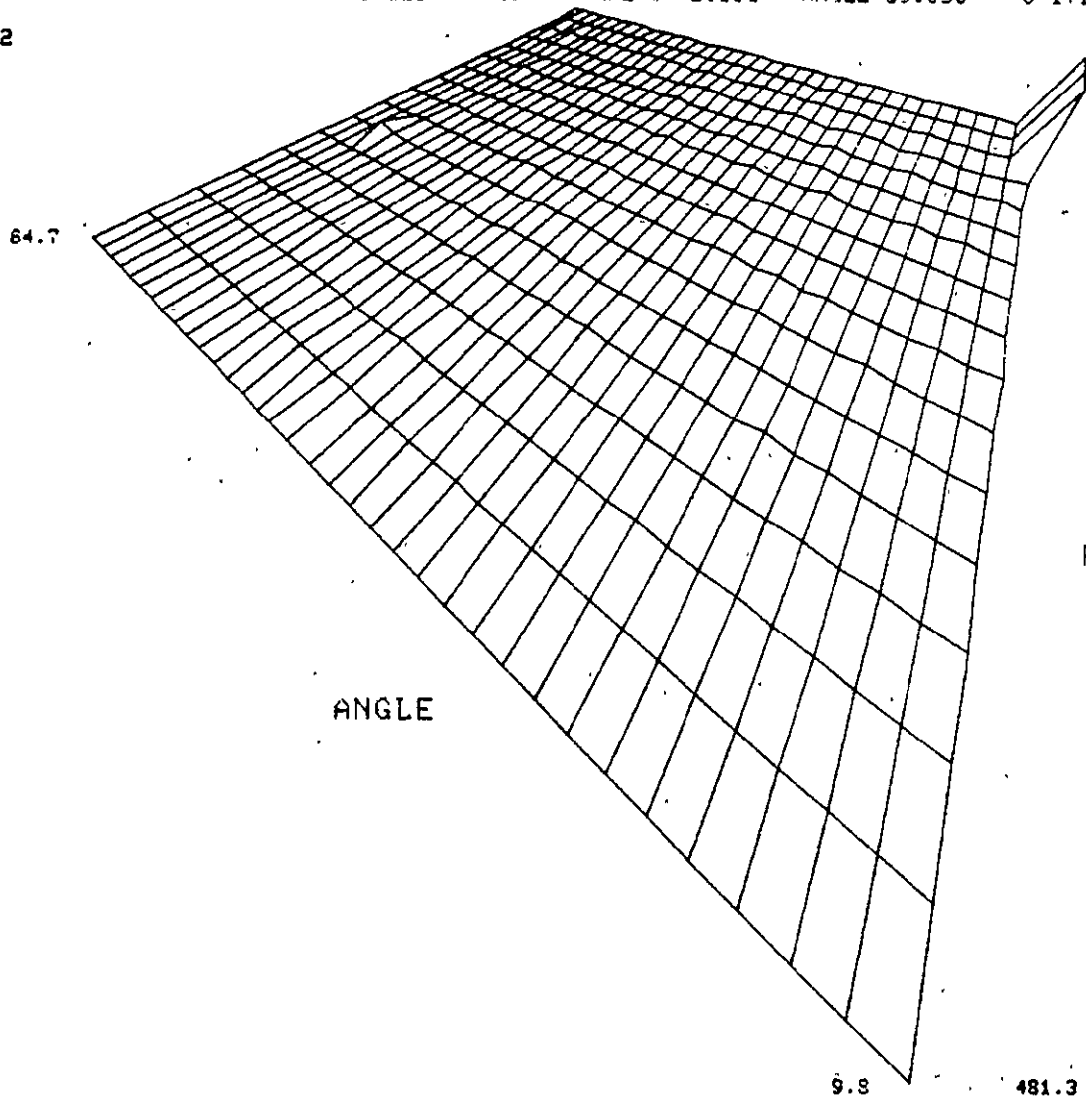
NASA PROJECT DUST DEVIL : DAY 232 RUN # 4 TAPE 2 OF 2-23226  
 \* SCAN # 29 FRAME # 19558 ANGLE 9.326 TO FRAME # 20131 ANGLE 65.030 CRITICAL AMP AT CELL 62

OPTION # 21-2

MAXIMUM U = 56.0

AVERAGE U = 2.1

ANGLE
1 9.8
2 10.2
3 11.1
4 12.4
5 13.8
6 15.5
7 17.3
8 19.1
9 20.8
10 22.5
11 24.2
12 26.0
13 27.9
14 29.6
15 31.3
16 33.0
17 34.8
18 36.5
19 38.2
20 40.0
21 41.7
22 43.4
23 45.2
24 46.8
25 48.5
26 50.3
27 52.0
28 53.7
29 55.5
30 57.2
31 59.0
32 60.8
33 62.5
34 64.0
35 64.7



R
1 145.1
2 164.9
3 184.7
4 204.5
5 224.2
6 244.0
7 263.8
8 283.6
9 303.3
10 323.1
11 342.9
12 362.7
13 382.4
14 402.2
15 422.0
16 441.3
17 461.3

U, R, A DISPLAY (VELOCITY AT I<sub>max</sub>)

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NASA PROJECT DUST DEVIL DAY 238 RUN # 4 TAPE 2 OF 2-29226  
 SCAN # 29 FRAME # 19558 ANGLE 9.326 TO FRAME # 20191 ANGLE 65.030 CRITICAL WMP AT CELL 62

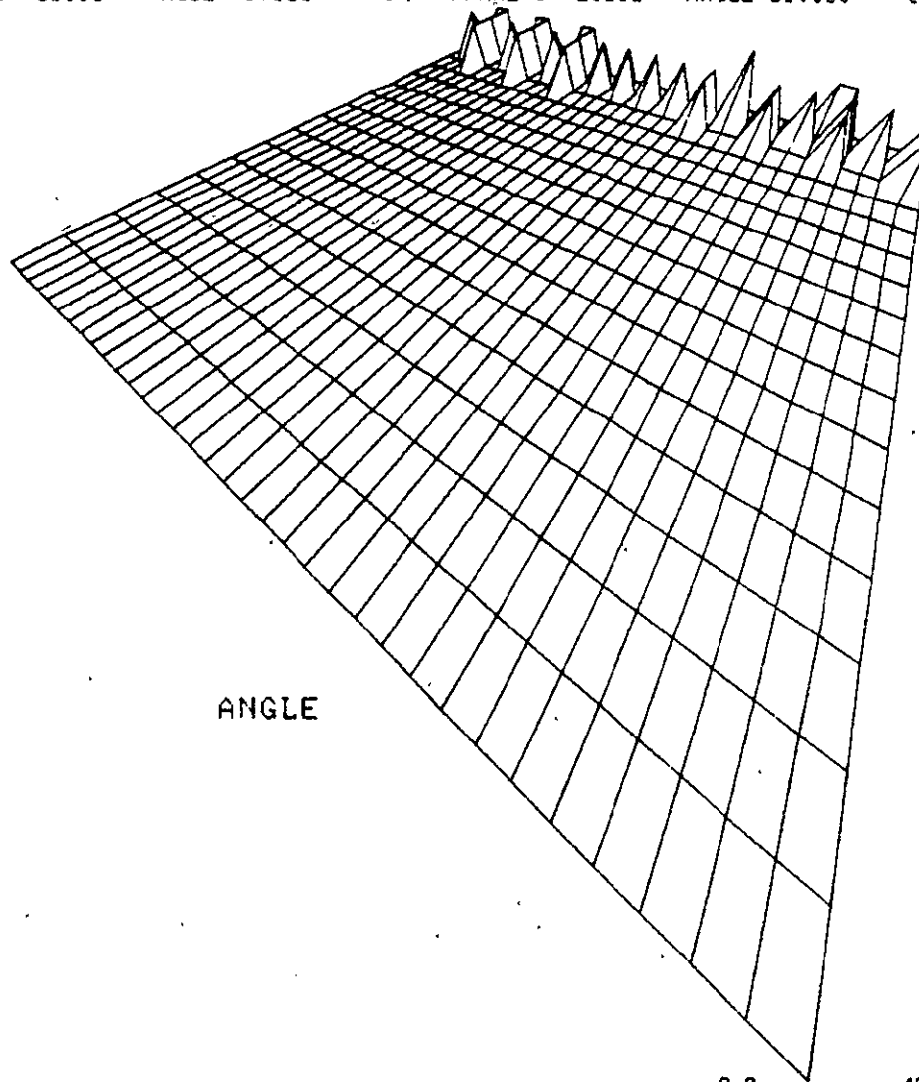
OPTION # 22-1

MAXIMUM U = 4.0

AVERAGE U = 1.1

ANGLE  
 1 9.8  
 2 10.2  
 3 11.1  
 4 12.4  
 5 13.8  
 6 15.5  
 7 17.3  
 8 19.1  
 9 20.8  
 10 22.5  
 11 24.2  
 12 26.0  
 13 27.9  
 14 29.6  
 15 31.3  
 16 33.0  
 17 34.3  
 18 36.5  
 19 38.2  
 20 40.0  
 21 41.7  
 22 43.4  
 23 45.2  
 24 46.8  
 25 48.5  
 26 50.3  
 27 52.0  
 28 53.7  
 29 55.5  
 30 57.2  
 31 59.0  
 32 60.8  
 33 62.5  
 34 64.0  
 35 64.7

64.7



ANGLE

9.8

481.3

145.1

R  
 1 145.1  
 2 164.9  
 3 184.7  
 4 204.5  
 5 224.2  
 6 244.0  
 7 263.8  
 8 283.6  
 9 303.3  
 10 323.1  
 11 342.9  
 12 362.7  
 13 382.4  
 14 402.2  
 15 422.0  
 16 441.8  
 17 461.5

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U<sub>MAX</sub>, R, A. DISPLAY AMPLITUDE THRESHOLD AT I = 5

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-29226  
 SCAN # 29 FRAME # 19558 ANGLE 9.326 TO FRAME # 20131 ANGLE 65.030 CRITICAL AMP AT CELL 62

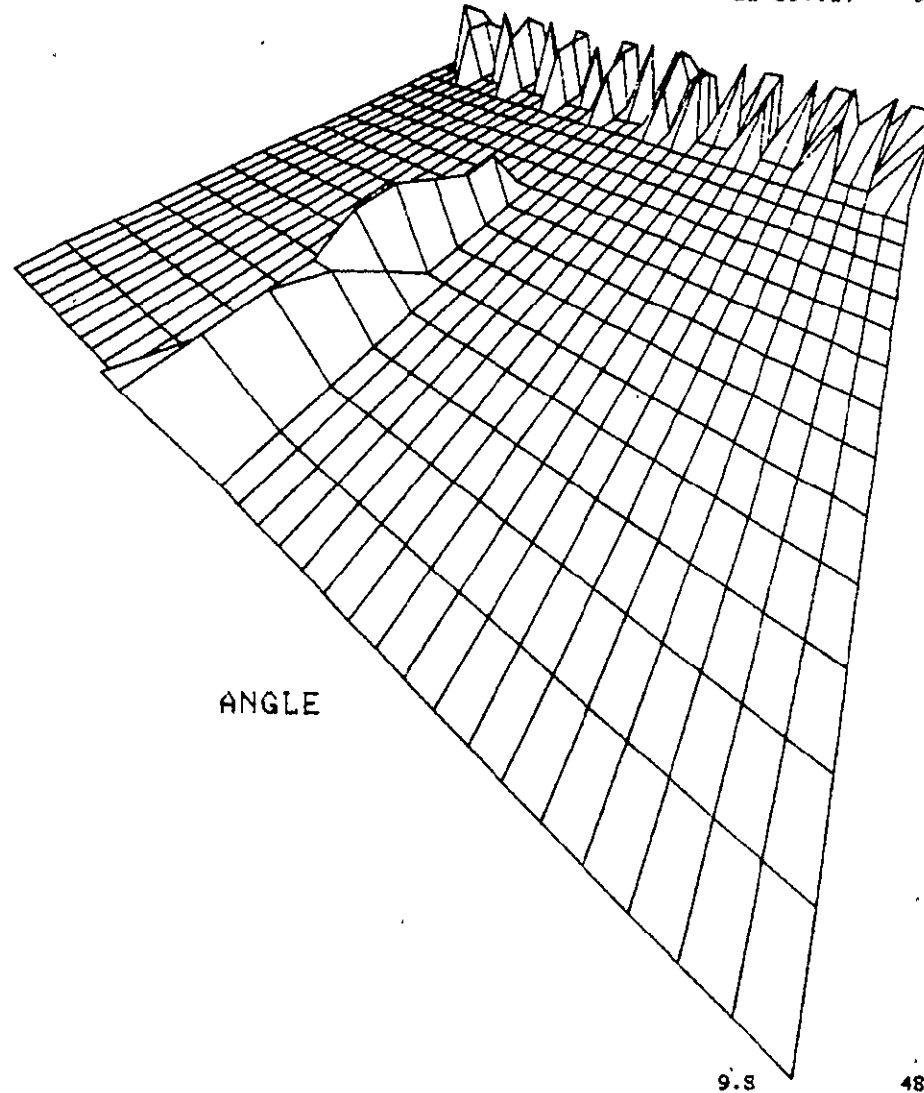
OPTION # 22-2

MAXIMUM U = 6.0

AVERAGE U = 1.4

ANGLE  
 1 9.8  
 2 10.2  
 3 11.1  
 4 12.4  
 5 13.8  
 6 15.5  
 7 17.3  
 8 19.1  
 9 20.8  
 10 22.5  
 11 24.2  
 12 26.0  
 13 27.9  
 14 29.6  
 15 31.3  
 16 33.0  
 17 34.8  
 18 36.5  
 19 38.2  
 20 40.0  
 21 41.7  
 22 43.4  
 23 45.2  
 24 46.8  
 25 48.5  
 26 50.3  
 27 52.0  
 28 53.7  
 29 55.5  
 30 57.2  
 31 59.0  
 32 60.8  
 33 62.5  
 34 64.0  
 35 64.7

64.7



145.1

R  
 1 145.1  
 2 164.9  
 3 184.7  
 4 204.5  
 5 224.2  
 6 244.0  
 7 263.8  
 8 283.6  
 9 303.3  
 10 323.1  
 11 342.9  
 12 362.7  
 13 382.4  
 14 402.2  
 15 422.0  
 16 441.8  
 17 461.3

R

ANGLE

9.8

481.3

U<sub>MAX</sub>, R<sub>0</sub>, A DISPLAY AMPLITUDE THRESHOLD AT I = 10

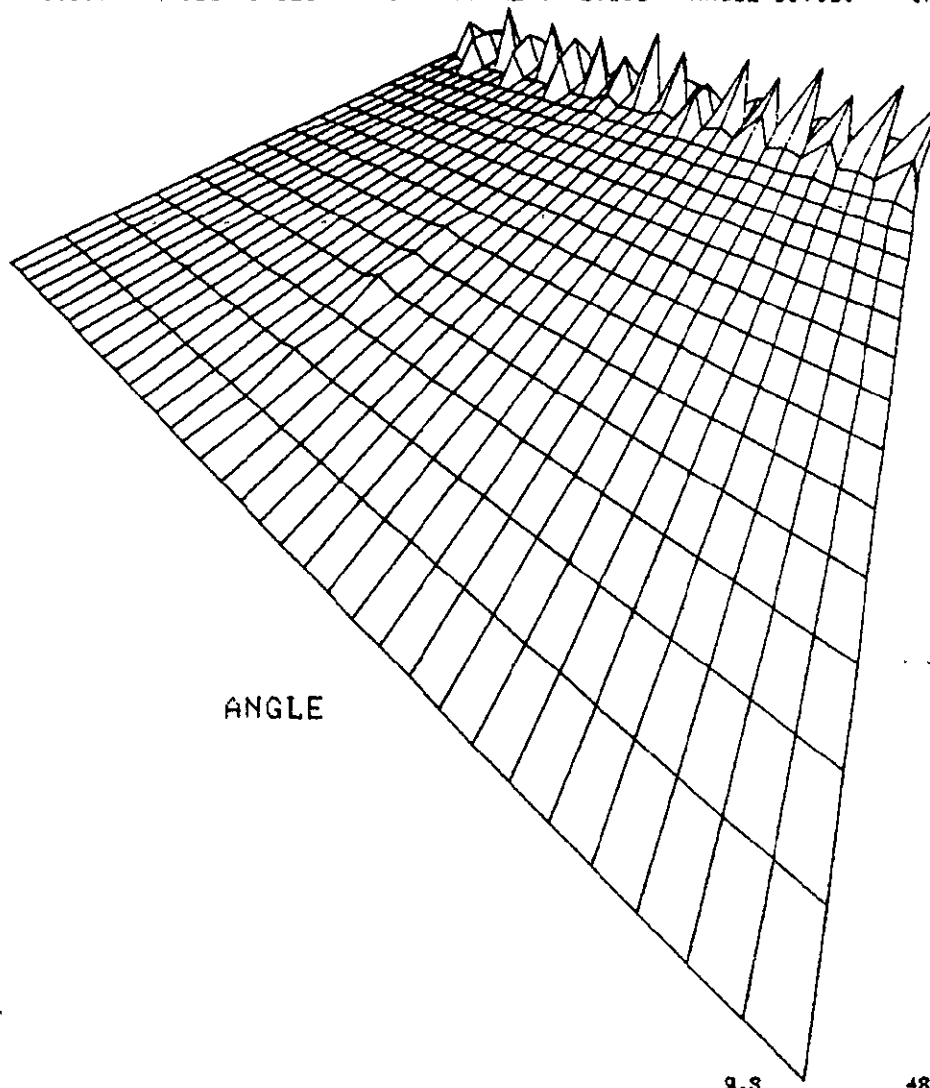
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NASA PROJECT DUST DEVIL DAY 232 RUN # 4 TAPE 2 OF 2-23226  
 SCAN # 29 FRAME # 19558 ANGLE 9.326 TO FRAME # 20191 ANGLE 55.030 CRITICAL AMP AT CELL 62  
 OPTION # 31-1

ANGLE  
 1 9.8  
 2 10.2  
 3 11.1  
 4 12.4  
 5 13.8  
 6 15.5  
 7 17.3  
 8 19.1  
 9 20.8  
 10 22.5  
 11 24.2  
 12 26.0  
 13 27.9  
 14 29.6  
 15 31.3  
 16 33.0  
 17 34.8  
 18 36.5  
 19 38.2  
 20 40.0  
 21 41.7  
 22 43.4  
 23 45.2  
 24 46.8  
 25 48.5  
 26 50.3  
 27 52.0  
 28 53.7  
 29 55.5  
 30 57.2  
 31 59.0  
 32 60.8  
 33 62.5  
 34 64.0  
 35 64.7

64.7



145.1

R  
 1 145.1  
 2 164.9  
 3 184.7  
 4 204.5  
 5 224.2  
 6 244.0  
 7 263.8  
 8 283.6  
 9 303.3  
 10 323.1  
 11 342.9  
 12 362.7  
 13 382.4  
 14 402.2  
 15 422.0  
 16 441.8  
 17 461.3

R

ANGLE

9.3

481.3

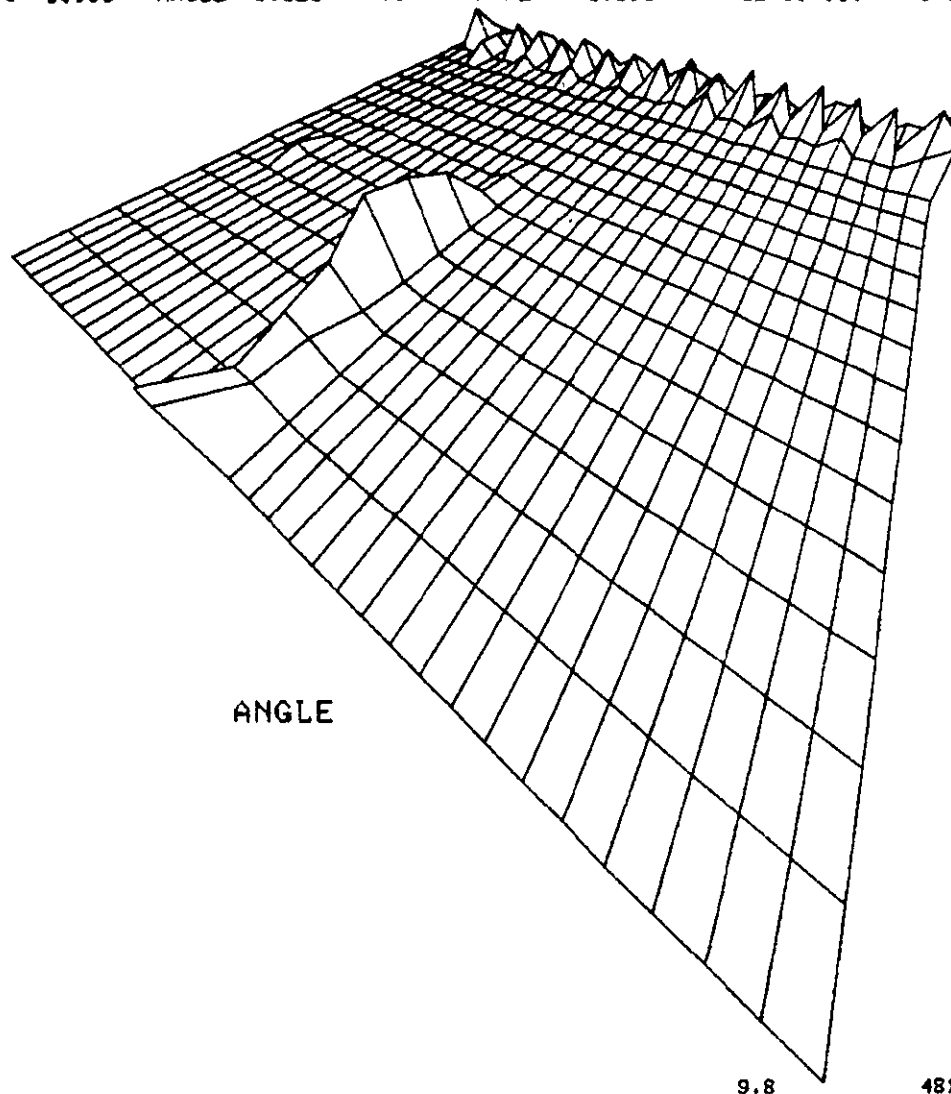
U \* I<sub>max</sub>, R, A DISPLAY

ORIGINAL PAGE IS  
 OF POOR QUALITY

NASA PROJECT DUST DEVIL DAY 233 RUN # 4 TAPE 2 OF 2-29226  
 SCAN # 29 FRAME # 19558 ANGLE 9.326 TO FRAME # 20191 ANGLE 65.030 OPTICAL AMP AT CELL 62  
 OPTION # 31-2

ANGLE  
 1 9.8  
 2 10.2  
 3 11.1  
 4 12.4  
 5 13.8  
 6 15.5  
 7 17.3  
 8 19.1  
 9 20.8  
 10 22.5  
 11 24.2  
 12 26.0  
 13 27.9  
 14 29.6  
 15 31.3  
 16 33.0  
 17 34.8  
 18 36.5  
 19 38.2  
 20 40.0  
 21 41.7  
 22 43.4  
 23 45.2  
 24 46.8  
 25 48.5  
 26 50.3  
 27 52.0  
 28 53.7  
 29 55.5  
 30 57.2  
 31 59.0  
 32 60.8  
 33 62.5  
 34 64.0  
 35 64.7

64.7



145.1

R  
 1 145.1  
 2 164.9  
 3 184.7  
 4 204.5  
 5 224.2  
 6 244.0  
 7 263.8  
 8 283.6  
 9 303.3  
 10 323.1  
 11 342.9  
 12 362.7  
 13 382.4  
 14 402.2  
 15 422.0  
 16 441.8  
 17 461.3

U \* I<sub>max</sub>, R, A DISPLAY